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PLASMA TV

SERVICE MANUAL

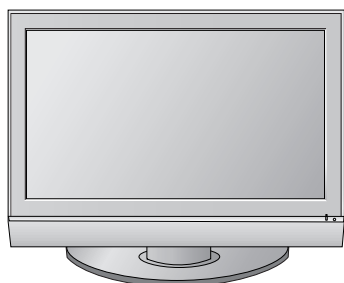
CHASSIS : PD73A

MODEL : 42PC55

42PC55-ZB

CAUTION

BEFORE SERVICING THE CHASSIS,
READ THE SAFETY PRECAUTIONS IN THIS MANUAL.



CONTENTS

SAFETY PRECAUTIONS	3
SPECIFICATIONS	4
ADJUSTMENT INSTRUCTIONS	6
TROUBLE SHOOTING GUIDE	19
BLOCK DIAGRAM	28
EXPLODED VIEW	30
EXPLODED VIEW PARTS LIST	31
REPLACEMENT PARTS LIST	32
SCHEMATIC DIAGRAM	
PRINTED CIRCUIT DIAGRAM	

SAFETY PRECAUTIONS

IMPORTANT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These parts are identified by \triangle in the Schematic Diagram and Replacement Parts List.
It is essential that these special safety parts should be replaced with the same components as recommended in this manual to prevent X-RADIATION, Shock, Fire, or other Hazards.
Do not modify the original design without permission of manufacturer.

General Guidance

An **isolation Transformer should always be used** during the servicing of a receiver whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks.

It will also protect the receiver and its components from being damaged by accidental shorts of the circuitry that may be inadvertently introduced during the service operation.

If any fuse (or Fusible Resistor) in this monitor is blown, replace it with the specified.

When replacing a high wattage resistor (Oxide Metal Film Resistor, over 1W), keep the resistor 10mm away from PCB.

Keep wires away from high voltage or high temperature parts.

Due to high vacuum and large surface area of picture tube, extreme care should be used in **handling the Picture Tube**.
Do not lift the Picture tube by its Neck.

Leakage Current Cold Check(Antenna Cold Check)

With the instrument AC plug removed from AC source, connect an electrical jumper across the two AC plug prongs. Place the AC switch in the on position, connect one lead of ohm-meter to the AC plug prongs tied together and touch other ohm-meter lead in turn to each exposed metallic parts such as antenna terminals, phone jacks, etc.

If the exposed metallic part has a return path to the chassis, the measured resistance should be between $1M\Omega$ and $5.2M\Omega$.

When the exposed metal has no return path to the chassis the reading must be infinite.

An other abnormality exists that must be corrected before the receiver is returned to the customer.

Leakage Current Hot Check (See below Figure)

Plug the AC cord directly into the AC outlet.

Do not use a line Isolation Transformer during this check.

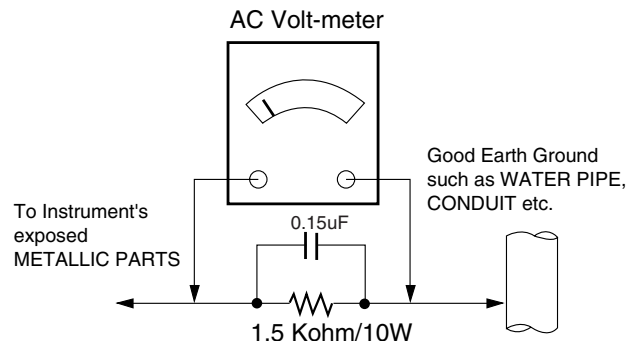
Connect 1.5K/10watt resistor in parallel with a 0.15uF capacitor between a known good earth ground (Water Pipe, Conduit, etc.) and the exposed metallic parts.

Measure the AC voltage across the resistor using AC voltmeter with 1000 ohms/volt or more sensitivity.

Reverse plug the AC cord into the AC outlet and repeat AC voltage measurements for each exposed metallic part. Any voltage measured must not exceed 0.75 volt RMS which corresponds to 0.5mA.

In case any measurement is out of the limits specified, there is possibility of shock hazard and the set must be checked and repaired before it is returned to the customer.

Leakage Current Hot Check circuit



SPECIFICATIONS

NOTE : Specifications and others are subject to change without notice for improvement.

■ Application Range

This spec is applied to the 42" PLASMA TV used PD73A Chassis.

Chassis	Model Name	Market	Brand	Remark
PD73A	42PC55-ZB	UK, German, Italy, France, Sweden, Finland, Spain	LG	

■ Specification

Each part is tested as below without special appointment.

- 1) Temperature : $25\pm5^{\circ}\text{C}$ ($77\pm9^{\circ}\text{F}$), CST : 40 ± 5
- 2) Relative Humidity: $65\pm10\%$
- 3) Power Voltage: Standard Input voltage (100-240V~, 50/60Hz)
* Standard Voltage of each product is marked by models.
- 4) Specification and performance of each parts are followed each drawing and specification by part number in accordance with SBOM.
- 5) The receiver must be operated for about 20 minutes prior to the adjustment.

■ Test Method

- 1) Performance : LGE TV test method followed.
- 2) Demanded other specification
Safety : CE, IEC specification
EMC : CE, IEC

Model	Market	Appliance	Remark
42PC55-ZB	UK, German, Italy, France, Sweden, Finland, Spain	Safety : IEC/EN60065 EMI : EN55013 EMS : EN55020	TEST

■ General Specification

1. Module Specification (42" XGA MODULE)

No	Item	Specification	Remark
1	Display Screen Device	42" Wide Color Display Module	Plasma Display Panel
2	Aspect Ratio	16:9	
3	PDP Module	PDP42X4, RGB Closed Type, Film Filter	
4	Operating Environment	1)Temp. : $0\sim40^{\circ}\text{deg}$ 2)Humidity : $20\sim80\%$	LGE SPEC.
5	Storage Environment	3)Temp. : $-20\sim60^{\circ}\text{deg}$ 4)Humidity : $10\sim90\%$	
6	Input Voltage	100-240V~, 50/60Hz	Maker LG

2. Model General Specification

No	Item	Specification	Remark
1	Market	UK, German, Italy, France, Sweden, Finland, Spain	
2	Broadcasting system	1) PAL-BG 2) PAL-DK 3) PAL-I,I' 4) DVB-T(ID TV) 5) SECAM-L/L'	
3	Receiving system	Analog : Upper Heterodyne Digital : COFDM	
4	Scart Jack (2EA)	PAL, SECAM	
5	Video Input (1EA)	PAL, SECAM, NTSC	4 System : PAL, SECAM, NTSC, PAL60
6	S-Video Input (1EA)	PAL, SECAM, NTSC	4 System : PAL, SECAM, NTSC, PAL60
7	Component Input (1EA)	Y/Cb/Cr, Y/Pb/Pr	
8	RGB Input(1EA)	RGB-PC	
9	HDMI Input(2EA)	HDMI-DTV & SOUND	
10	Audio Input (3EA)	PC Audio, Component, AV	L/R Input

ADJUSTMENT INSTRUCTIONS

1. Application Object

These instructions are applied to all of the 42" PLASMA TV, PD73A Chassis.

2. Note

- (1) Because this is not a hot chassis, it is not necessary to use an isolation transformer. However, the use of isolation transformer will help protect test instrument.
- (2) Adjustment must be done in the correct order.
- (3) The adjustment must be performed in the circumstance of $25 \pm 5^\circ\text{C}$ of temperature and $65 \pm 10\%$ of relative humidity if there is no specific designation.
- (4) The input voltage of the receiver must keep 100-240V~, 50/60Hz.
- (5) The receiver must be operated for about 15 minutes prior to the adjustment.

- After RGB Full white HEAT-RUN Mode, the receiver must be operated prior to adjustment.
- Enter into HEAT-RUN MODE
 - 1) Press the POWER ON KEY on R/C for adjustment.
 - 2) OSD display and screen display PATTERN MODE.
- * Set is activated HEAT-RUN without signal generator in this mode.
- * Single color pattern(RED/BLUE/GREEN) of HEAT-RUN mode uses to check PANEL.

If you turn on a still screen more than 20 minutes (Especially Digital pattern, Cross Hatch Pattern), an afterimage may occur in the black level part of the screen.

3. Channel memory Setting Method

: You can set channel memory by R/C for adjustment.

- 1) Press ADJ key on R/C for adjustment.
- 2) Press ENTER key on "System Control3".
- 3) Press VOL + key on "Channel Recover".

4. PCMCIA CARD Checking Method

: You must adjust DTV 29 Channel and insert PCMCIA CARD to socket.

- 1) If PCMCIA CARD works normally, normal signals display on screen. But it works abnormally, "No CA module" words display on screen.

Each PCB assembly must be checked by check JIG set.
(Because power PCB Assembly damages to PDP Module, especially be careful)

5. POWER PCB Assy Voltage Adjustments (Va, Vs Voltage adjustments)

5-1. Test Equipment : D.M.M. 1EA

5-2. Connection Diagram for Measuring : refer to Fig.1

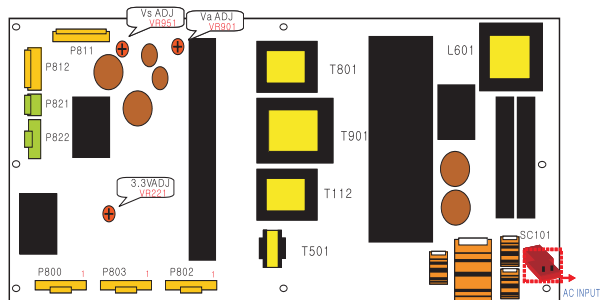
5-3. Adjustment Method

(1) Va Adjustment

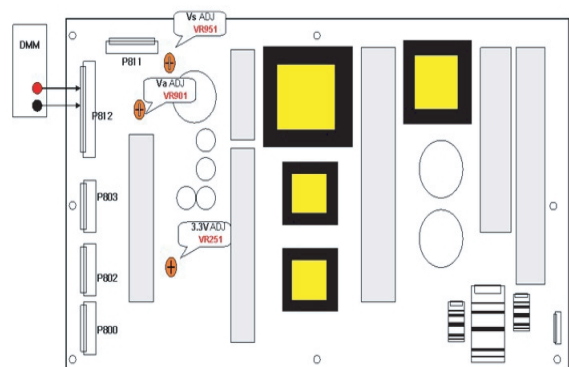
- 1) After receiving 100% Full White Pattern, HEAT RUN.
- 2) Connect + terminal of D.M.M to Va pin of P812, connect - terminal to GND pin of P812.
- 3) After turning VR901, voltage of D.M.M adjustment as same as Va voltage which on label of panel right/top. (Deviation; $\pm 0.5\text{V}$)

(2) Vs Adjustment

- 1) Connect + terminal of D.M.M to Vs pin of P812, connect - terminal to GND pin of P812.
- 2) After turning VR951, voltage of D.M.M adjustment as same as Vs voltage which on label of panel right/top. (Deviation; $\pm 0.5\text{V}$)



<42" 6709900019A>



<42" EAY32808901>

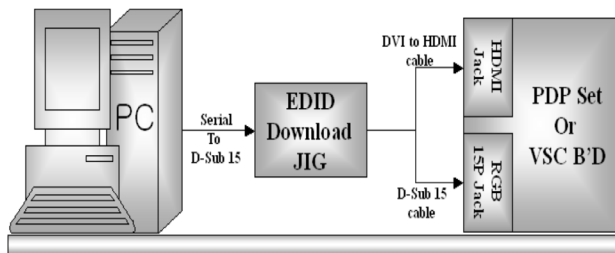
(Fig. 1) Connection diagram of power adjustment for measuring

6. EDID (The Extended Display Identification Data)/ DDC (Display Data Channel) download

6-1. Required Test Equipment

- 1) Adjusting PC with S/W for writing EDID Data.(S/W : EDID TESTER Ver.2.5)
- 2) A Jig for EDID Download
- 3) Cable : Serial(9Pin or USB) to D-sub 15Pin cable, D-sub 15Pin cable, DVI to HDMI cable

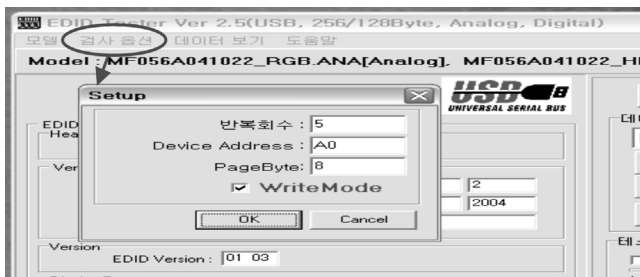
6-2. Setting of device



(Fig. 2) Connection Diagram of DDC download

6-3. Preparation for Adjustment

- 1) As above Fig. 2, Connect the Set, EDID Download Jig, PC & Cable.
- 2) Turn on the PC & EDID Download Jig. And Execute the S/W : EDID TESTER Ver,2.5.
- 3) Set up S/W option.
Repeat Number : 5
Device Address : A0
PageByte : 8
- 4) Power on the Set.



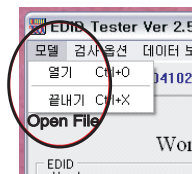
6-4. Sequence of Adjustment

- EDID Download

- 1) Init the data.



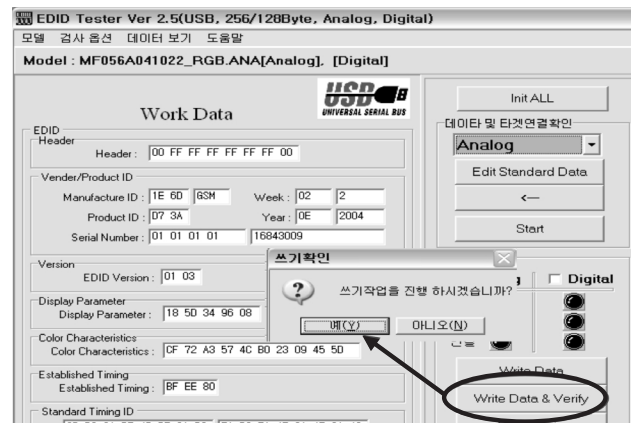
- 2) Load the EDID data.(Open File).



[Analog file] (for RGB)

[Digital file] (for HDMI)

- 3) Set the S/W as below.
- 4) Push the "Write Data & Verify" button. And confirm "Yes".
- 5) If the writing is finished, you will see the "OK" message.
- 6) If TV has two HDMI, you must download two times for each HDMI.



- EDID DATA

1) Analog RGB.

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
00	00	FF	FF	FF	FF	FF	FF	00	1E	6D	1			2		
10		3	01	03	01	46	27	78	EA	D9	B0	A3	57	49	9C	25
20	11	49	4B	A5	6E	00	31	40	45	40	61	40	D1	C0	01	01
30	01	01	01	01	01	01	1B	21	50	A0	51	00	1E	30	48	88
40	35	00	BC	86	21	00	00	1C	26	36	80	A0	70	38	1F	40
50	50	20	85	04	BC	86	21	00	00	18						
60						4							00	00	00	FD
70	00	3C	4B	1D	43	0E	00	0A	20	20	20	20	20	20	00	5

=> Detail EDID Options are below(1, 2, 3, 4, 5)

1. Product ID

Model Name	Product ID	Product ID	
		Hex	EDID table
42PC55-ZB	40013	9CB1	B19C
42PC56-ZD	40015	9CB3	B39C
50PC55-ZB	50015	C35F	5FC3
50PC56-ZD	50017	C361	61C3
50PB56-ZA	50019	C363	63C3

2. Serial No : Controlled on production line

3. Month, Year : Controlled on production line

ex) Week : '03' => '03'

Year : '2006' => '10'

4. Model Name(Hex):

Model Name	Hex Data
42PC55-ZB	00 00 00 FC 00 34 32 50 43 35 35 2D 5A 42 0A 20 20 20
42PC56-ZD	00 00 00 FC 00 34 32 50 43 35 36 2D 5A 44 0A 20 20 20
50PC55-ZB	00 00 00 FC 00 35 30 50 43 35 35 2D 5A 42 0A 20 20 20
50PC56-ZD	00 00 00 FC 00 35 30 50 43 35 36 2D 5A 44 0A 20 20 20
50PB56-ZA	00 00 00 FC 00 35 30 50 42 36 35 2D 5A 41 0A 20 20 20

5. Checksum : Changeable by total EDID data

2) HDMI1.

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
00	00	FF	FF	FF	FF	FF	FF	00	1E	6D	1			2		
10		3	01	03	80	46	27	78	EA	D9	B0	A3	57	49	9C	25
20	11	49	4B	A5	6E	00	31	40	45	40	61	40	D1	C0	01	01
30	01	01	01	01	01	01	02	3A	80	18	71	38	2D	40	58	2C
40	45	00	C4	8E	21	00	00	1E	1B	21	50	A0	51	00	1E	30
50	48	88	35	00	BC	86	21	00	00	1C						
60						4							00	00	00	FD
70	00	32	4B	1C	43	0F	00	0A	20	20	20	20	20	20	01	5

=> Detail EDID Options are below(1, 2, 3, 4, 5)

1. Product ID

Model Name	Product ID	Product ID	
		Hex	EDID table
42PC55-ZB	40114	9CB2	B29C
42PC56-ZD	40116	9CB4	B49C
50PC55-ZB	50016	C360	60C3
50PC56-ZD	50018	C362	62C3
50PB56-ZA	50020	C364	64C3

2. Serial No : Controlled on production line

3. Month, Year : Controlled on production line

ex) Week : '03' => '03'

Year : '2006' => '10'

4. Model Name(Hex):

Model Name	Hex Data
42PC55-ZB	00 00 00 FC 00 34 32 50 43 35 35 2D 5A 42 0A 20 20 20
42PC56-ZD	00 00 00 FC 00 34 32 50 43 35 36 2D 5A 44 0A 20 20 20
50PC55-ZB	00 00 00 FC 00 35 30 50 43 35 35 2D 5A 42 0A 20 20 20
50PC56-ZD	00 00 00 FC 00 35 30 50 43 35 36 2D 5A 44 0A 20 20 20
50PB56-ZA	00 00 00 FC 00 35 30 50 42 36 35 2D 5A 41 0A 20 20 20

5. Checksum : Changeable by total EDID data

3) HDMI2.

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
00	00	FF	FF	FF	FF	FF	FF	00	1E	6D	1			2		
10		3	01	03	80	46	27	78	EA	D9	B0	A3	57	49	9C	25
20	11	49	4B	A5	6E	00	31	40	45	40	61	40	D1	C0	01	01
30	01	01	01	01	01	01	02	3A	80	18	71	38	2D	40	58	2C
40	45	00	C4	8E	21	00	00	1E	1B	21	50	A0	51	00	1E	30
50	48	88	35	00	BC	86	21	00	00	1C						
60						4							00	00	00	FD
70	00	32	4B	1C	43	0F	00	0A	20	20	20	20	20	20	01	5

=> Detail EDID Options are below(1, 2, 3, 4, 5)

* Please refer HDMI1

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
00	02	03	21	F1	4E	02	11	01	03	12	13	04	14	05	21	1F
10	20	22	10	23	09	07	07	83	01	00	00	65	03	0C	00	10
20	00	01	1D	00	BC	52	D0	1E	20	B8	28	55	40	C4	8E	21
30	00	00	1E	01	1D	00	72	51	D0	1E	20	6E	28	55	00	C4
40	8E	21	00	00	1E	01	1D	80	D0	72	1C	16	20	10	2C	25
50	80	C4	8E	21	00	00	9E	8C	0A	D0	90	20	40	31	20	0C
60	40	55	00	C4	8E	21	00	00	18	4E	1F	00	80	51	00	1E
70	30	40	80	37	00	BC	88	21	00	00	18	00	00	00	00	5

7. ADC Calibration

ADC	RF/AV/S-VIDEO	Component	RGB-PC
MSPG925FS	PAL	Model:215(720P) Pattern : 65 * 720/50Hz 7 Color Bar	Model : 3
	INPUT SELECT AV3		(1024*768 60Hz)
	Model : 202		Pattern : 65
	(PAL-BGDHI) Pattern : 65 * PAL 7 Color Bar		7 Color Bar

- System control RS-232 Host should be "PC" for adjustment.
- Before AV ADC Calibration, execute the "Panel size selection"

8. Auto AV(CVBS) Color Balance

8-1. Requirement

- This AV color balance adjustment should be performed before white Balance Adjustment.

8-2. Required Equipment

- 1) Remote controller for adjustment.
- 2) MSPG-925FS Pattern Generator (Which has Video Signal: 7 Color Bar Pattern shown in Fig. 3).
- Model: 202 / Pattern: 65 EC and FC model use PAL-BGDHI. (composite signal)

8-3. Method of Auto AV(CVBS) Color Balance

- 1) Input the Video signal: 7 color Bar signal into AV3.
- 2) Set the PSM to Dynamic mode in the Picture menu.
- 3) Press IN-STAR key on R/C for adjustment.
- 4) Press the ►(Vol. +) key operate to set, then it becomes automatically.
- 5) Auto-RGB OK means completed adjustment.



(Fig. 3) Color Balance signal

9. Adjustment of Component

9-1. Requirement

- This AV color balance adjustment should be performed before white Balance Adjustment.

9-2. Required Equipment

- 1) Remote controller for adjustment.
- 2) MSPG-925FS Pattern Generator (Which has Video Signal: 7 Color Bar Pattern shown in Fig. 4).
- Model: 215 / Pattern: 65

9-3. Method of Auto Component Color Balance

- 1) Input the Component 720p/50Hz 7 Color Bar(MSPG-925FS model:215, pattern:65) signal into Component.
- 2) Set the PSM to Dynamic mode in the Picture menu.
- 3) Press IN-STAR key on R/C for adjustment.
- 4) Press the ►(Vol. +) key operate to set, then it becomes automatically.
- 5) Auto-RGB OK means completed adjustment.



(Fig. 4) Color bar Test Pattern

10. Adjustment of RGB

10-1. Requirement

- This AV color balance adjustment should be performed before white Balance Adjustment.

10-2. Required Equipment

- 1) Remote controller for adjustment.
- 2) MSPG-925FS Pattern Generator (Which has Video Signal: 7 Color Bar Pattern shown in Fig. 5).
- Model: 215 / Pattern: 65

10-3. Method of Auto RGB Color Balance

- 1) Input the PC 1024x768 @ 60Hz 7 color bar (MSPG-925FS, Model:3, Pattern: 65) into RGB. (using D-sub to D-sub cable)
- 2) Set the PSM to Dynamic mode in the Picture menu.
- 3) Press IN-STAR key on R/C for adjustment.
- 4) Press the ►(Vol. +) key operate to set, then it becomes automatically.
- 5) Auto-RGB OK means completed adjustment.



(Fig. 5) Color bar Test Pattern

11. Adjustment of White Balance

11-1. Requirement

- Before adjusting White-balance, the AV ADC should be done.

11-2. Required Equipment

- Remote controller for adjustment.
- Color Analyzer.(CA-1000,CA-100+,CA-200 or same product) : CH10(PDP)
- * Please adjust CA-210, CA-100+ by CS-1000 before measuring.**
- Auto W/B adjustment instrument.(only for Auto adjustment)
- AV Pattern Generator.

- ◆ Synchronization relation between PSM and CSM.

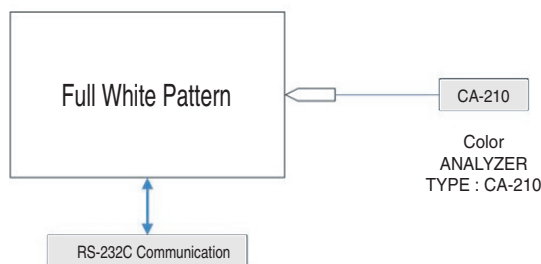
CSM	PLASMA	Remark
Cool	11000K	
Normal	9300K	
Warm	6500K	

- ◆ CS-1000/CA-100+/CA-210 White balance adjustment coordinate and color temperature.

Mode	Color Coordinate		Temp	Δuv
	x	y		
COOL	0.276±0.002	0.283±0.002	11000K	0.000
MEDIUM	0.285±0.002	0.293±0.002	9300K	0.000
WARM	0.313±0.002	0.329±0.002	6500K	0.003

11-3. Connection Picture of the Measuring Instrument(On Automatic control)

- Inside PATTERN is used when W/B is controlled. Connect to auto controller or push control R/C IN-START -> Enter the mode of White-Balance, the pattern will come out.



(Fig. 6) Auto AV(CVBS) Color Balance Test Pattern

- Auto-control interface and directions

- Adjust in the place where the influx of light like floodlight around is blocked.(illumination is less than 10ux)
- Measure and adjust after sticking the Color Analyzer(CA-100+, CA210) to the side of the module.
- Aging time : keep white pattern using inside pattern.

- ◆ Auto adjustment Map(RS-232C)

Type		PD61A/C				
Baud Rate		Data bit		Stop bit	Parity	
115200		8		1	NONE	
Protocol Setting	Index	Cmd1	Cmd2	Data	Min Value	Max Value
	R Gain	j	a		00(00)	128(80)
	G Gain	j	b		00(00)	128(80)
	B Gain	j	c		00(00)	128(80)
	R Offset	j	d		00(00)	128(80)
	G Offset	j	e		00(00)	128(80)
	B Offset	j	f		00(00)	128(80)

12. Adjustment of White Balance

(Manual white Balance)

- One of R Gain/ G Gain/ B Gain should be kept on 80, and others are controlled lowering from 80
- (1) 'power on' of the control R/C, set heat run to white by pressing and heat run over 15 minutes. (Set: RS-232 Host: PC, Baud Rate: 115200bps, Download: Cortez)
- (2) Zero Calibrate CA-100+, and stick the sensor to the center of PDP module surface when you adjust.
- (3) Double click In-start key on Controlling R/C and get in 'white balance'.
- (4) Set test-pattern on and display inside pattern. Control is carried out on three color temperature, COOL, MEDIUM, WARM. (Control is carried out three times.)
- (5) When the R/G/B GAIN is 80 on OSD, it is the FULL DYNAMIC Range of the Module. In order to control white balance without the saturation of FULL DYNAMIC Range and DATA, one of R Gain / G Gain / B Gain should be kept on 80, and other two is controlled lowering from 80.

- * Color Temperature: Cool, Medium, Warm

- When R GAIN is set to 80
 - Control G GAIN and B GAIN by lowering from 80.
 - When B GAIN is set to 80
 - Control R GAIN and G GAIN by lowering from 80.
 - When G GAIN is set to 80
 - Control R GAIN and B GAIN by lowering from 80.
- One of R Gain / G Gain / B Gain should be kept on 80, and adjust other two lower than 80.
(When R/G/B GAIN are all 80, it is the FULL DYNAMIC Range of Module)

13. Default Value in Adjustment mode

13-1. Auto Color Balance

<Component>			<RGB>		
Auto Color Balance (Hex)			Auto Color Balance (Hex)		
Auto-RGB ▶ To Set			Auto-RGB ▶ To Set		
Source		MAIN	Source		MAIN
Red	Offset1	022	Red	Offset1	0F8
Green	Offset1	024	Green	Offset1	0DA
Blue	Offset1	023	Blue	Offset1	0BC
Red	Offset2	45	Red	Offset2	01
Green	Offset2	43	Green	Offset2	01
Blue	Offset2	37	Blue	Offset2	01
Red	Gain	014	Red	Gain	1FE
Green	Gain	031	Green	Gain	1FE
Blue	Gain	011	Blue	Gain	1FE
Reset	▶ To Set		Reset	▶ To Set	

<AV>		
AutoColorBalance(Hex)		
Auto-RGB ▶ To Set		
Source		MAIN
Red	Offset1	022
Green	Offset1	024
Blue	Offset1	023
Red	Offset2	45
Green	Offset2	43
Blue	Offset2	37
Red	Gain	014
Re Set	▶ To Set	

(Fig. 7) Default on OSD

13-2. Write Balance

White Balance (Hex)		
Red	Gain	80
Green	Gain	80
Blue	Gain	80
Red	Offset	80
Green	Offset	80
Blue	Offset	80
Reset	▶ To Set	

(Fig. 8) Default on OSD

14. EEPROM Data Write(Serial No D/L)

14-1. Signal TABLE

CMD	LENGTH	ADH	ADL	DATA_1	...	DATA_n	CS	DELAY
-----	--------	-----	-----	--------	-----	--------	----	-------

CMD : A0h
 LENGTH : 85~94h (1~16 bytes)
 ADH : E²PROM Sub Address high (00~1F)
 ADL : E²PROM Sub Address low (00~FF)
 Data : Write data
 CS : CMD + LENGTH + ADH + ADL + Data_1 + ... + Data_n
 Delay : 20ms

14-2. Command Set

No	Adjust mode	CMD(hex)	LENGTH(hex)	Description
1	EEPROM WRITE	A0h	84h+n	n-byted Write (n=1~16)

* Description

FOS Default write : <7mode data> write

Vtotal, V_Frequency, Sync_Polarity, Htotal, Hstart, Vstart, 0, Phase

Data write : Model Name and Serial Number write in EEPROM,.

14-3. Method & Notice

- (1) Serial number D/L is using of scan equipment.
- (2) Setting of scan equipment operated by Manufacturing Technology Group.
- (3) Serial number D/L must be conformed when it is produced in production line, because serial number D/L is mandatory by D-book 4.0.

15. Set Information(Serial No& Model name)

15-1. Setting up like bottom figure

(After setting white balance, this is set)

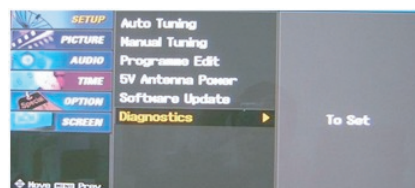
(Setting: Press ADJ Key in the Adjust remocon)

- (1) Select "System Control 2" by using ▲ / ▼ (CH+/-) key, and press ■ (ENTER) Using Adjust remocon, RS-232 Host & Baud Rate & Download value change)

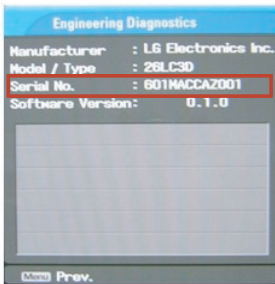
Model Name	Tool Option1	Tool Option2	Area Option	Option1	Option2	Option3	Option3
42PC55-ZB	2048	1697	0	14	2	1	192
50PC55-ZB	2052	1953	0	14	2	1	192
50PB65-ZA	2244	1977	0	14	2	1	192

15-2. Push the menu button in DTV mode.

- (1) Select the STATION-> Diagno stics -> To set.

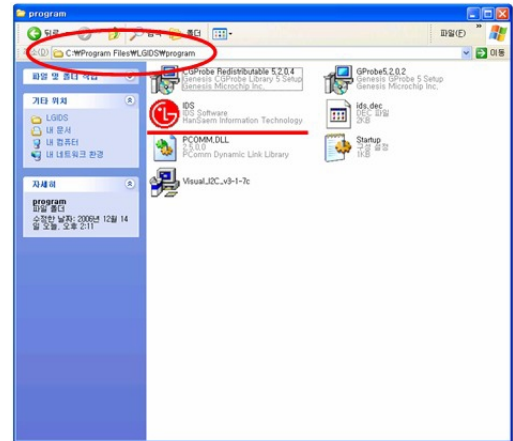


(2) Check the Serial Number.



3) Install LGIDS-2

1. You can find the ICON on C:\Program Files\LGIDS.



16. Input the Shipping Option Data

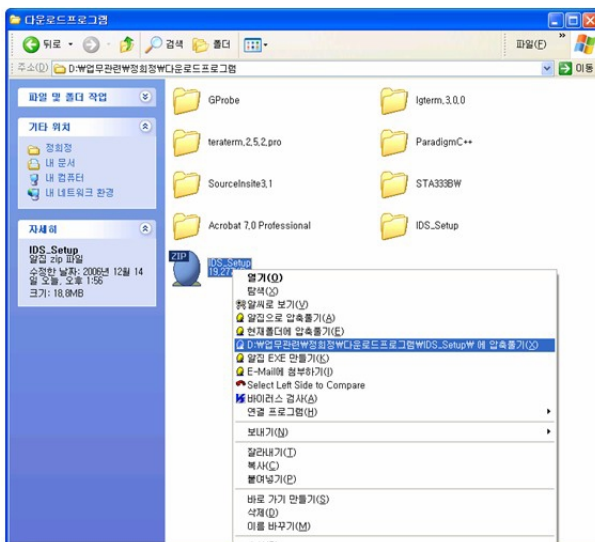
- 1) Push the IN-START key in a Adjust Remocon.
- 2) Input the Option Number that was specified in the BOM, into the Shipping area.
- 3) The work is finished, Push ■ Key.

17. CORTEZ Download

17-1. CORTEZ Download By LGIDS

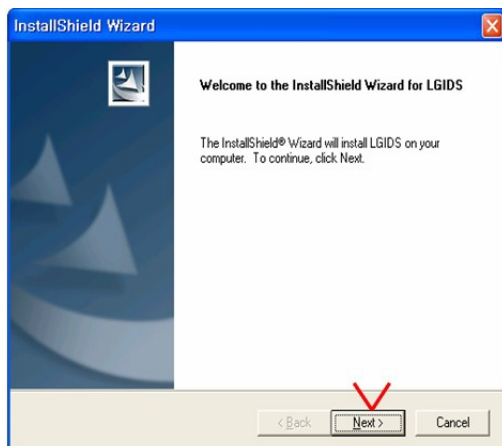
(1) Installation of the LGIDS

1) Extract to folder IDS_Setup.ZIP.



2) Install LGIDS-1

1. After Click the 'NEXT' icon, Installation is finished.

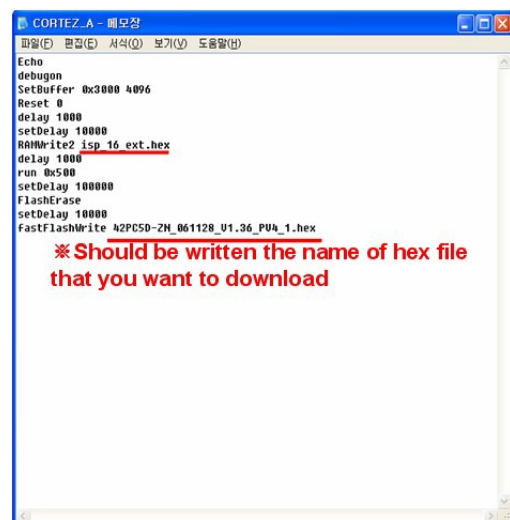


(2) Download hex file

1) Prepare a Batch File(*.txt), RAM File(*.hex) on C:\Program Files\LGIDS\files.



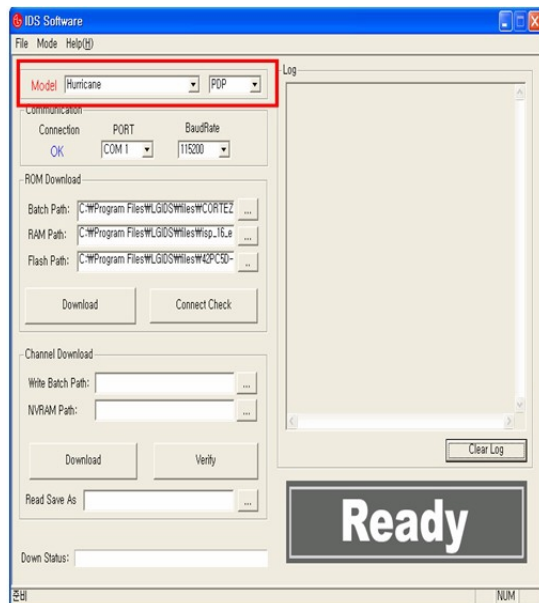
* In the TEXT FILE



2) Connect RS232 cable and turn on the power.
(Use the general RS-232C Serial Cable)

3) Execute the LGIDS Program - 1

1. Check a 'PDP' & 'Hurricane' on the 'Model' MENU



* If your connection is 'NG', then set your PORT(COM1,2,3...) correctly.

4) SVC MENU Setting for CORTEZ DOWNLOAD.

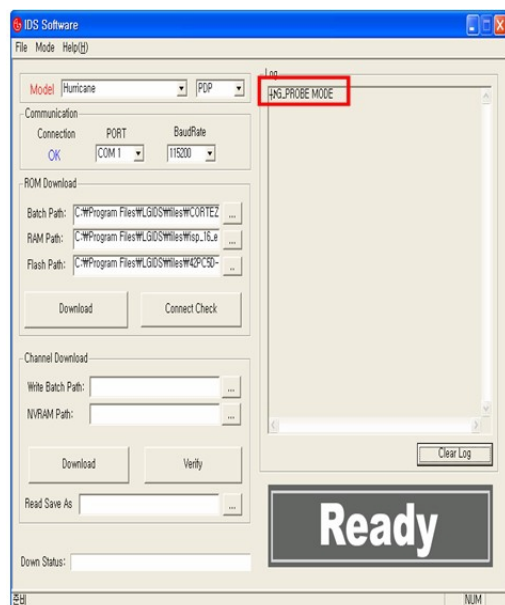
case 1. Press the 'tilt' button on the Adjustment Remote Control.

case 2. Press the 'ADJ' button

- 1) Press the 'System Control 2' menu
- 2) Enter the 'GProbe' on the 'RS-232Host menu'
- 3) Enter '115200bps' on the 'Baud Rate menu'
- 4) Enter the 'Cortez' on the 'Download menu'

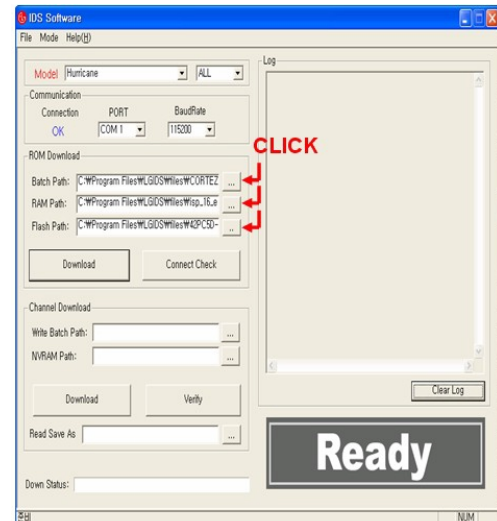
* If you don't have a Adjustment Remote Control
'Menu' button on the Remote Control + 'Menu' button on the Local Key during 7~8sec

After Change a mode, you can see 'GPROBE MODE'

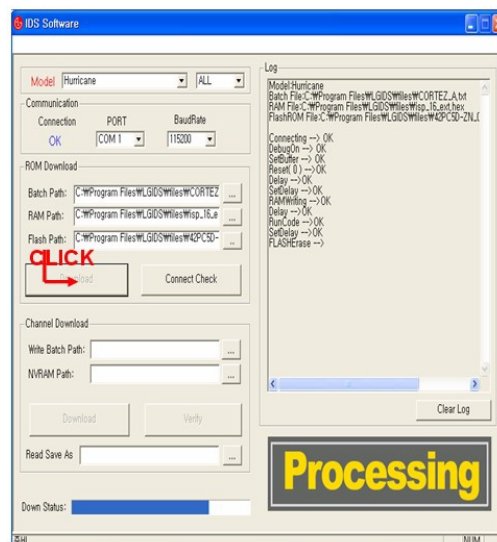


5) Execute the LGIDS Program - 2

1. Open a Batch file, RAM file and Flash file.

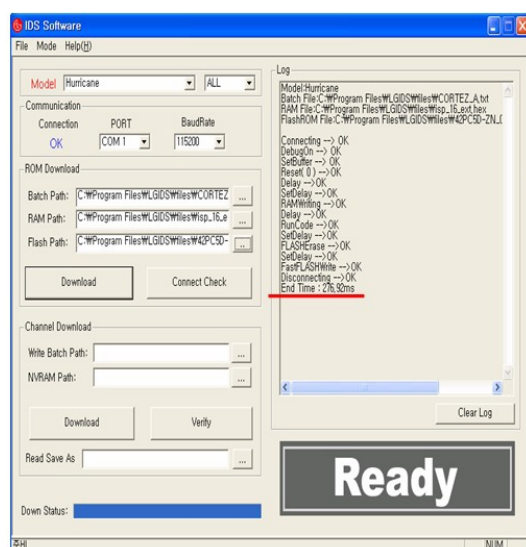


6) Execute the LGIDS Program - 3



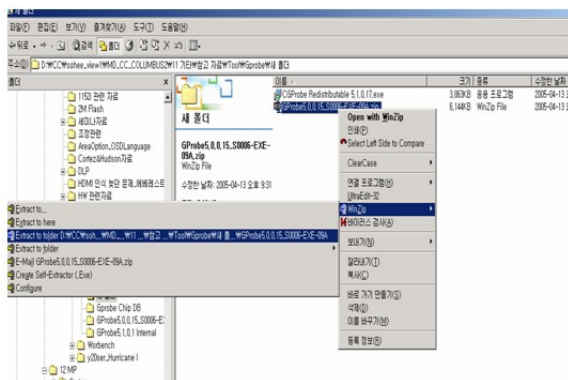
7) Wait the final message.

1. After DOWNLOAD, Turn off the TV after download -> Turn on.

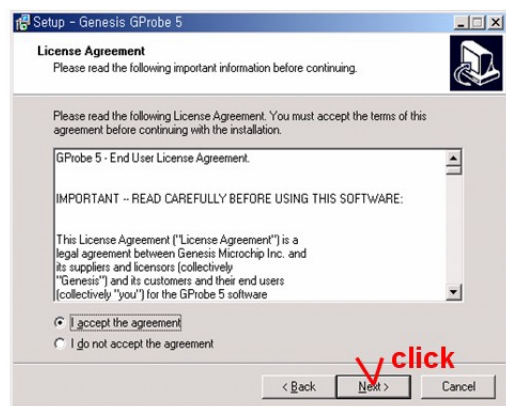
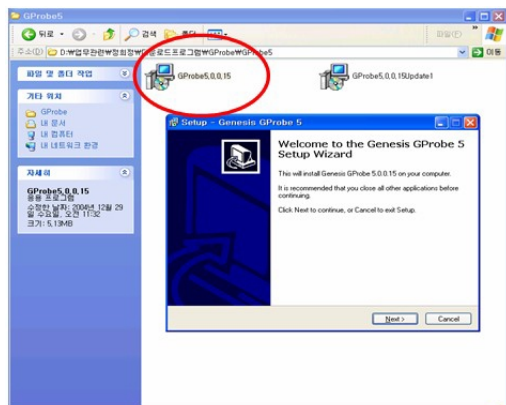


(1) Installation of the GProbe 5

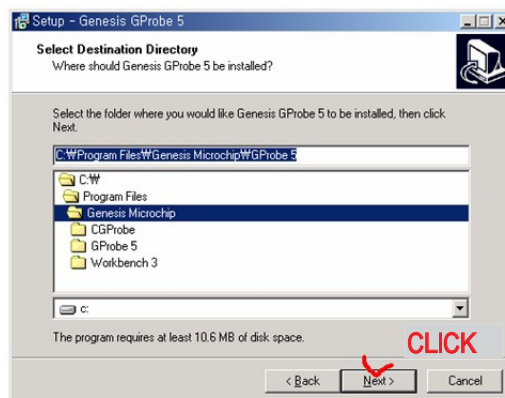
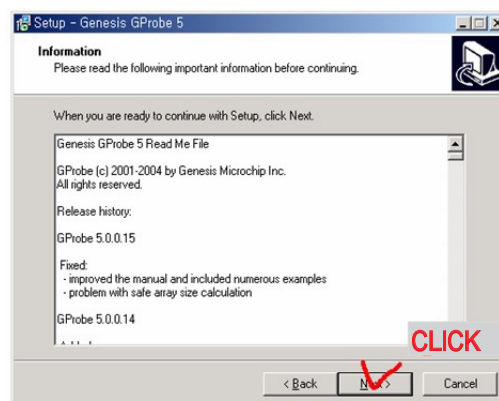
1) Extract to folder GProbe5.0.0.15 S0006 EXE 09A.ZIP.



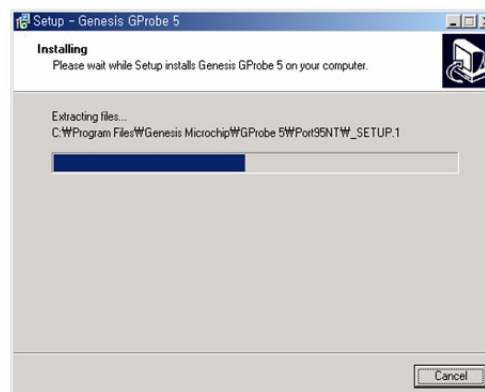
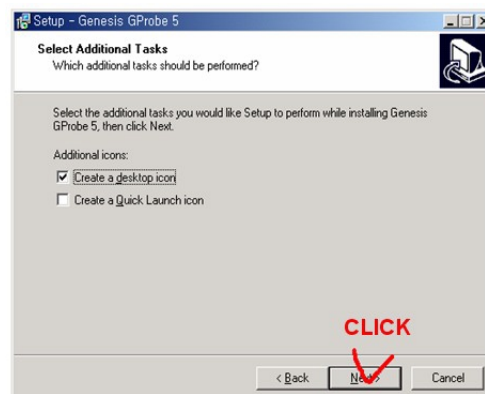
2) Install GProbe5.0.0.15.EXE - 1.



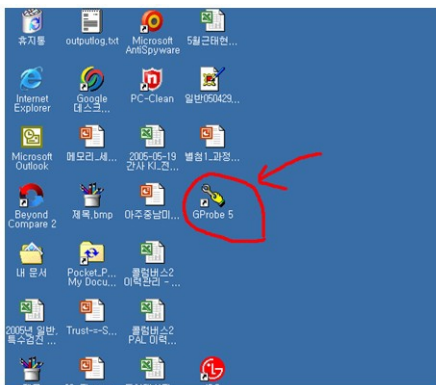
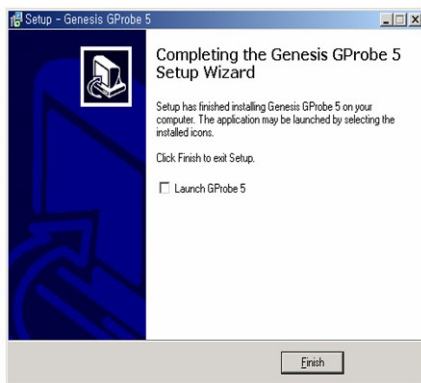
3) Install GProbe5.0.0.15.EXE - 2.



4) Install GProbe5.0.0.15.EXE - 3.

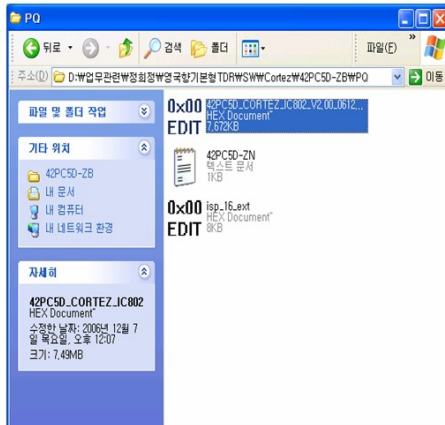


5) Install GProbe5.0.0.15.EXE - 4.

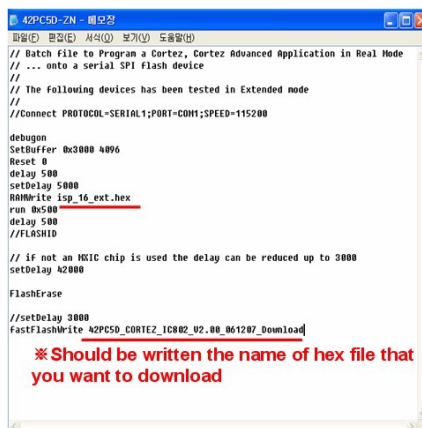


(2) Download hex file using GProbe

- 1) Prepare a '*.hex', 'isp_16_ext.hex', '*.txt' in the same folder.



* In the TEXT FILE

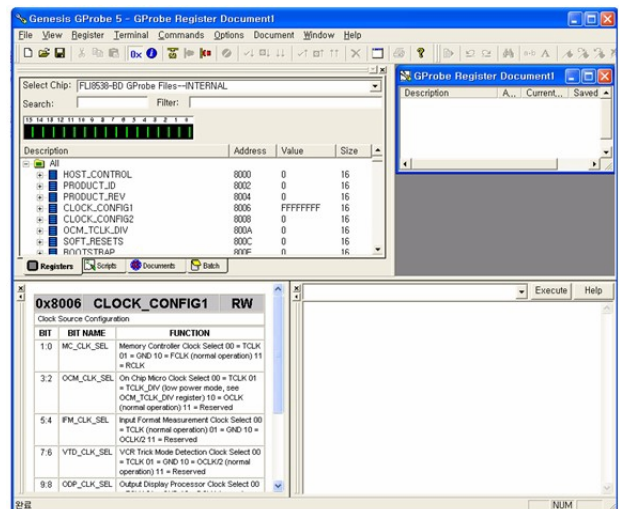


- 2) Connect TV set and PC by using RS232 cable.
- 3) SVC MENU Setting for CORTEZ DOWNLOAD.
 - case 1. Press the 'tilt' button on the Adjustment Remote Control.
 - case 2. Press the 'ADJ' button.

- 1) Press the 'System Control 2' menu
- 2) Enter the 'GProbe' on the 'RS-232Host menu'
- 3) Enter '115200bps' on the 'Baud Rate menu'
- 4) Enter the 'Cortez' on the 'Download menu'

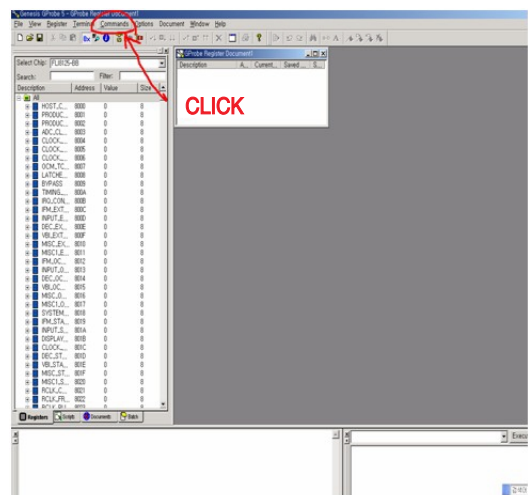
* If you don't have a Adjustment Remote Control 'Menu' button on the Remote Control + 'Menu' button on the Local Key during 7~8sec.

4) Execute the GProbe Program.

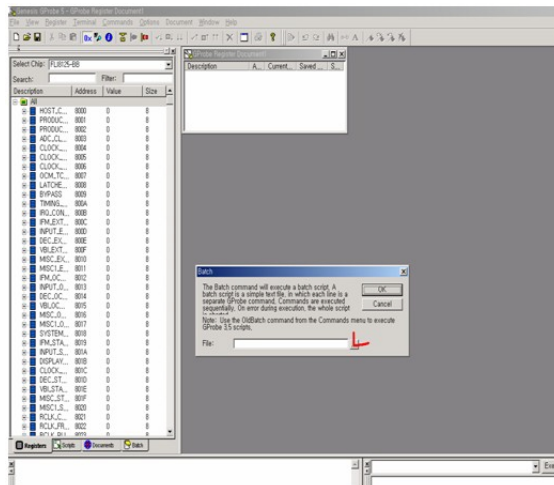


5) Open the batch file - 1.

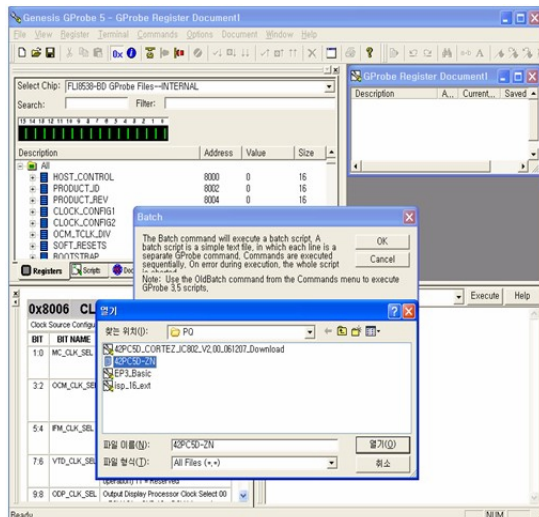
1. Click the 'Commands'.



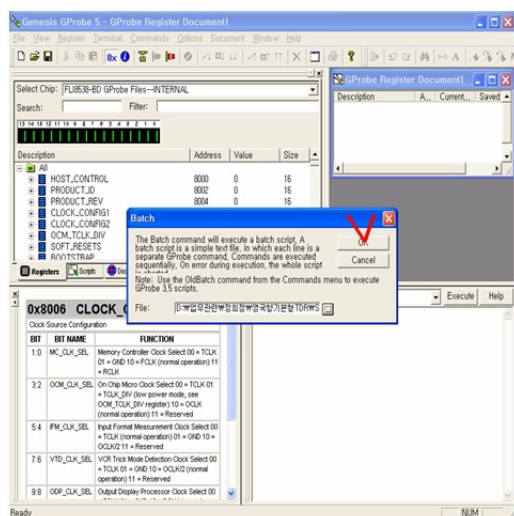
- 6) Open the batch file - 1.
1. Click the 'Commands'.



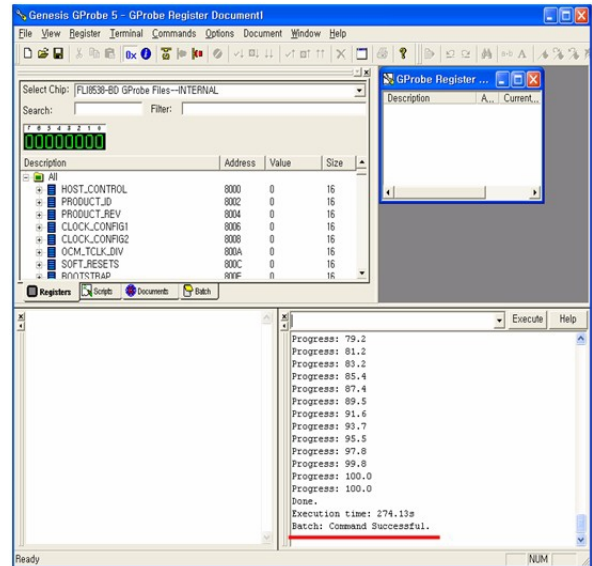
- 7) Open the batch file - 2
1. Click 'Batch' in the 'Commands' menu & express the '...' icon (It's marked by the red check).



- 8) Open the batch file - 3.
1. Choose the text file.



- 9) It takes 300sec ~ 360sec, Wait the final message.
1. Turn off the TV after download -> Turn on.

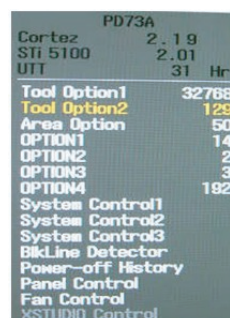


18. Insert the 'TOOL OPTION' & SERIAL NUMBER

- When you change a Main Ass'y, you should insert the TV SET's original Serial Number & MODEL NAME. It is the way how to insert original number.

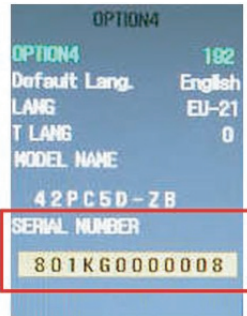
18-1. Insert the 'Tool Option'

- 1) Insert '2048' on 'Tool Option1', '1697' on 'Tool Option2' for 42PC55-ZB Press the 'ENTER' Button.
- 2) Insert '2052' on 'Tool Option1', '1953' on 'Tool Option2' for 50PC55-ZB Press the 'ENTER' Button.
 1. Before change the 'Tool Option', you should check the White Balance Value.
 2. Because change the 'Tool Option', the White Balance Value is reset.



18-2. Insert the 'SERIAL NUMBER' & 'MODEL NAME'

- 1) Check the original serial number.
(Check the Label on the Back Cover)
 - 2) After change the Main Ass'y, Press the 'ADJ button on the Adjustment Remote control.
 1. Choose the 'OPTION4'
 2. Insert the 'MODEL NAME' by navigation key.
 3. Insert the original serial number on the 'SERIAL NUMBER' MENU by navigation key.
- * After All Setting, Turn Off TV SET-> On

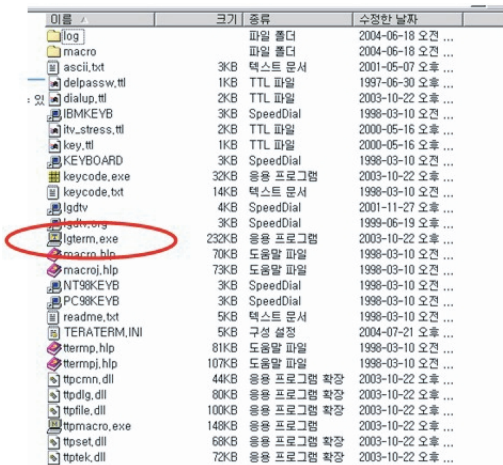


19. ST DOWN LOAD

19-1. ST ROM DOWN LOAD

- (1) Installation the 'LG Term'

- 1) Extract to folder lgterm.zip.

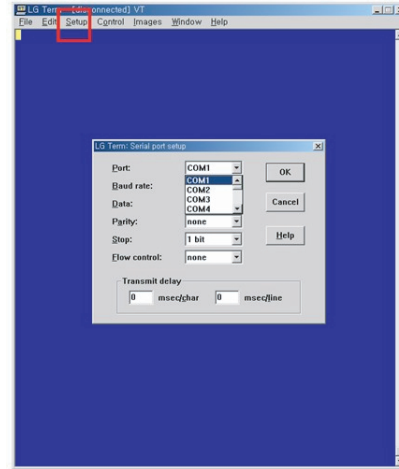


(2) Download biz file using LG Term

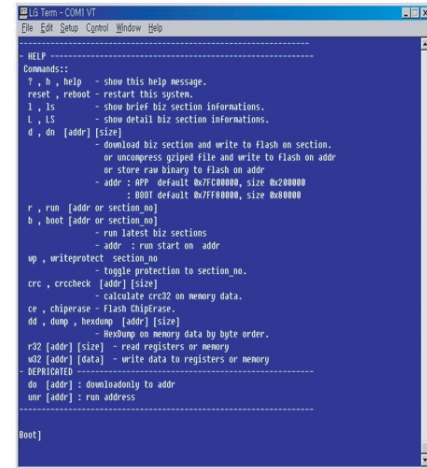
- 1) Prepare the '*.biz' that you want to download on ST.
- 2) Connect TV set and PC by using RS232 cable, Turn on the TV.
- 3) SVC MENU Setting.
 - case 1. Press the 'Turbo Sound' button on the Adjustment Remote Control.
 - case 2. Press the 'ADJ' button.
 - 1) Press the 'System Control 2' menu
 - 2) Enter the 'GProbe' on the 'RS-232 Host'
 - 3) Enter '115200bps' on the 'Baud Rate'
 - 4) Enter the 'STi 5100' on the 'Download'

* If you don't have a Adjustment Remote Control.
'Menu' button on the Remote Control + 'Menu' button on the Local Key during 7~8sec.

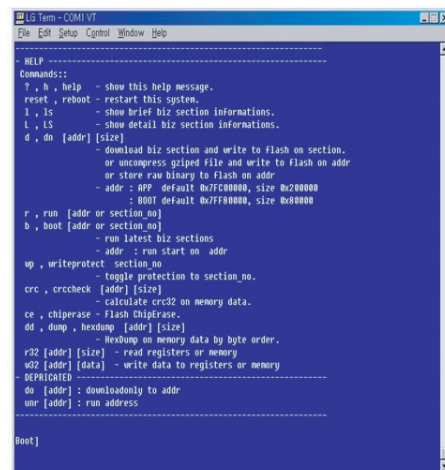
- 4) Execute 'lgterm.exe'.
 1. Select 'Serial port' on 'Setup' Menu.
 2. Port should be connected with the TV SET by RS232.



- 5) TV SET DC Power OFF => ON.
 1. Check the message like the Picture.



- 6) Insert 'dn' and Enter.



7) When 'Please Send the file' appears, Press 'ctrl' + 's'.

```

LG Term - COM1.VT
File Edit Setup Control Window Help

reset, reboot - restart this system.
1, ls - show brief biz section informations.
l, ls - show detail biz section informations.
d, dn [addr] [size]
- download biz section and write to flash on section.
or decompress gzipped file and write to flash on addr
or store raw binary to flash on addr
- addr : 000 default 0x7FC00000, size 0x200000
- BU0 default 0x7FF00000, size 0x000000

r, run [addr or section.no]
b, boot [addr or section.no]
- run latest biz sections
- addr : run start on addr

wp, writeprotect section.no
- toggle protection to section.no.
- calculate crc32 on memory data.

cc, chiperase [addr] [size]
- calculate crc32 on memory data.
- Flash ChipErase.

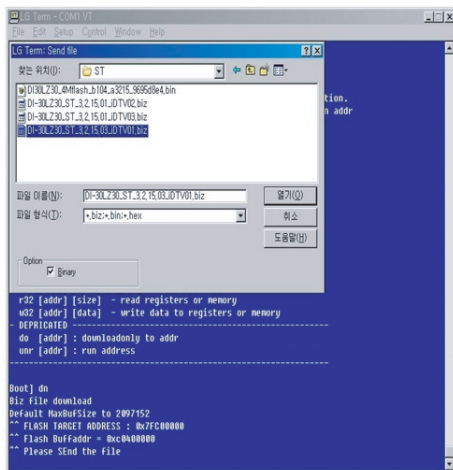
dd, dump, hexdump [addr] [size]
- Hexdump on memory data by byte order.

r32 [addr] [size] - read registers or memory
w32 [addr] [data] - write data to registers or memory
- DEPRECATED

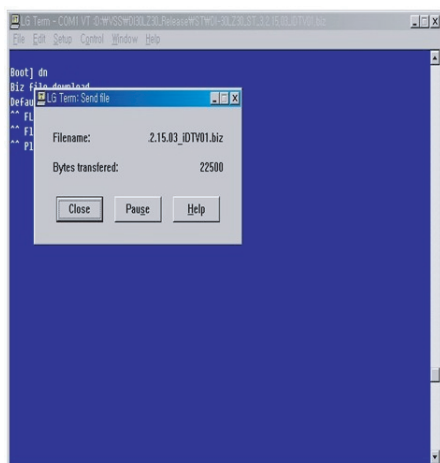
do [addr] : downloadonly to addr
unr [addr] : run address

-----
Boot] dn
Biz file download
Default MaxBufSize to 2007152
** FLASH TARGET ADDRESS : 0x7FC00000
** Flash BufAddr = 0xc0000000
** Please Send the file
  
```

8) When 'Please Send the file' appears, Press 'ctrl' + 's'.



9) Download takes 60sec ~ 120sec.



10) The End of DOWNLOAD

1. After Download successfully, you can see 'EW EW EW EW'.
2. You can remove RS232 Cable and TV Power SET OFF => ON

```

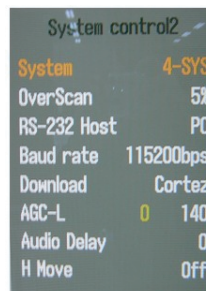
LG Term - COM1.VT
File Edit Setup Control Window Help

- addr : run start on addr
wp, writeprotect section.no
- toggle protection to section.no.
- calculate crc32 on memory data.
cc, chiperase - Flash ChipErase.
dd, dump, hexdump [addr] [size]
- Hexdump on memory data by byte order.
r32 [addr] [size] - read registers or memory
w32 [addr] [data] - write data to registers or memory
- DEPRECATED
do [addr] : downloadonly to addr
unr [addr] : run address

-----
Boot] dn
Biz file download
Default MaxBufSize to 2007152
** FLASH TARGET ADDRESS : 0x7FC00000
** Flash BufAddr = 0xc0000000
** Please Send the file
**Total Downloaded Sz = 851991 (0x000017)
CRC : (14d157f) : DownloadBuff (c0001000), len(851991)
biz section format
Flash Write BASEADDR = 7fc00000, codeBuf=c0001000, dstamp=5, bizCrc=edcd929
codeStartBuf = c0000030
EW EW EW EW EW EW EW EW EW EW EW EW
Boot]
  
```

11) Change the mode.

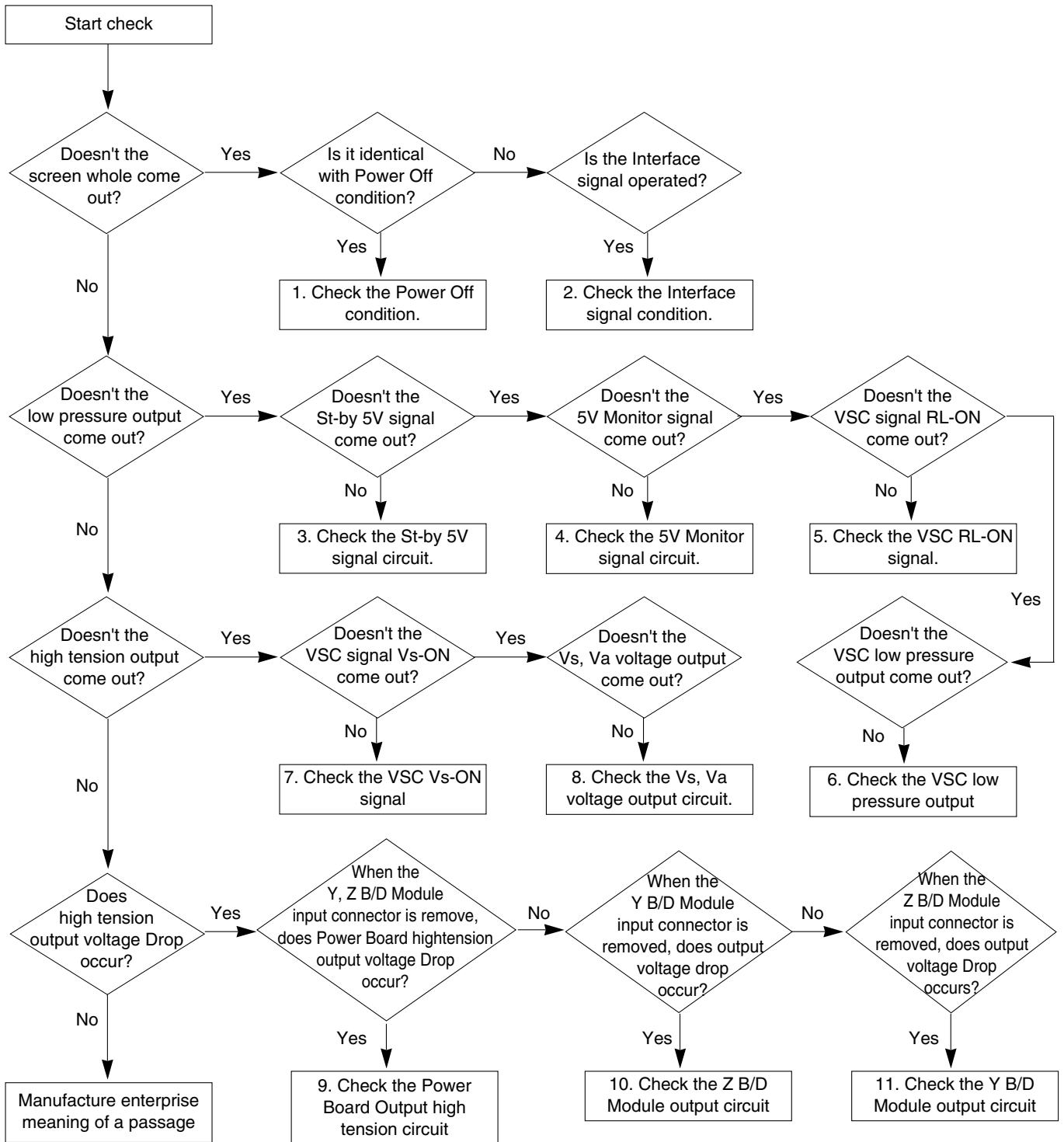
1. Press the 'ADJ' button.
2. Press the 'System Control 2' menu.
3. Enter the 'PC' on the 'RS-232 Host'.
4. Enter '115200bps' on the 'Baud Rate'.
5. Enter the 'Cortez' on the 'Download'.



TROUBLE SHOOTING GUIDE

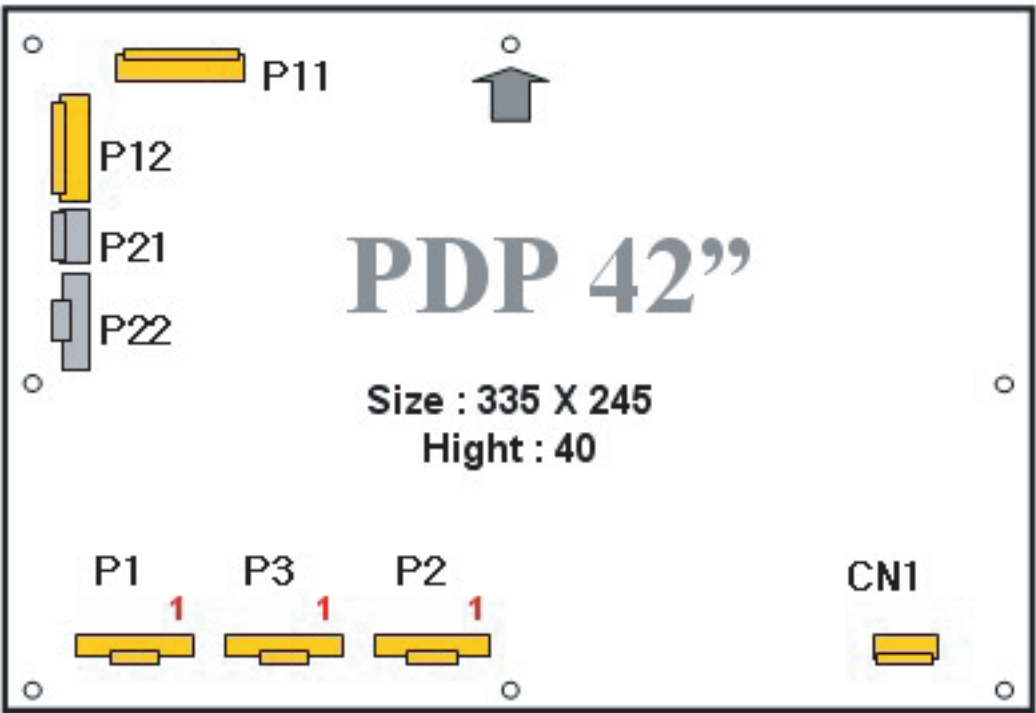
1. Power Board

1-1. The whole flowchart which it follows in voltage output state



1-2. 42” Power Board Structure

(1) Pin Layout



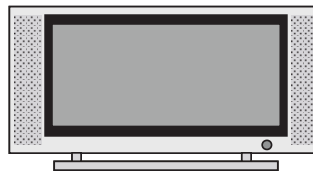
(2) Pin Spec

NO	AC INLET	ANALOG & DIGITAL BOARD			PDP MODULE		READY	
	CN1	P1	P2	P3	P11	P12	P21	P22
1	AC	AC Det	19V	3.4V	Vs	5V	5V	GND
2	NC	RL-ON	19V	3.4V	Vs	GND	5V	GND
3	AC	STB 5V	GND	GND	NC	Va	GND	GND
4		GND	GND	GND	GND	GND	GND	GND
5		Vs-ON	6V	6V	GND	GND		5V
6		5V Det	GND	6V	Va	GND		5V
7		M5V-ON	3.4V	GND	GND	NC		5V
8		STB 5V	GND	GND	5V	Vs		5V
9		GND	12V	12V		Vs		
10		NC	GND	12V				
11		6V		GND				
12		GND		GND				
13		3.4V-ON						
Wafer P/N	SMW250-013P	SMW250-13P	SMW250-10P	SMW250-12P	YH396-08V	YH396-09V	YH396-04V	SMW250-08P

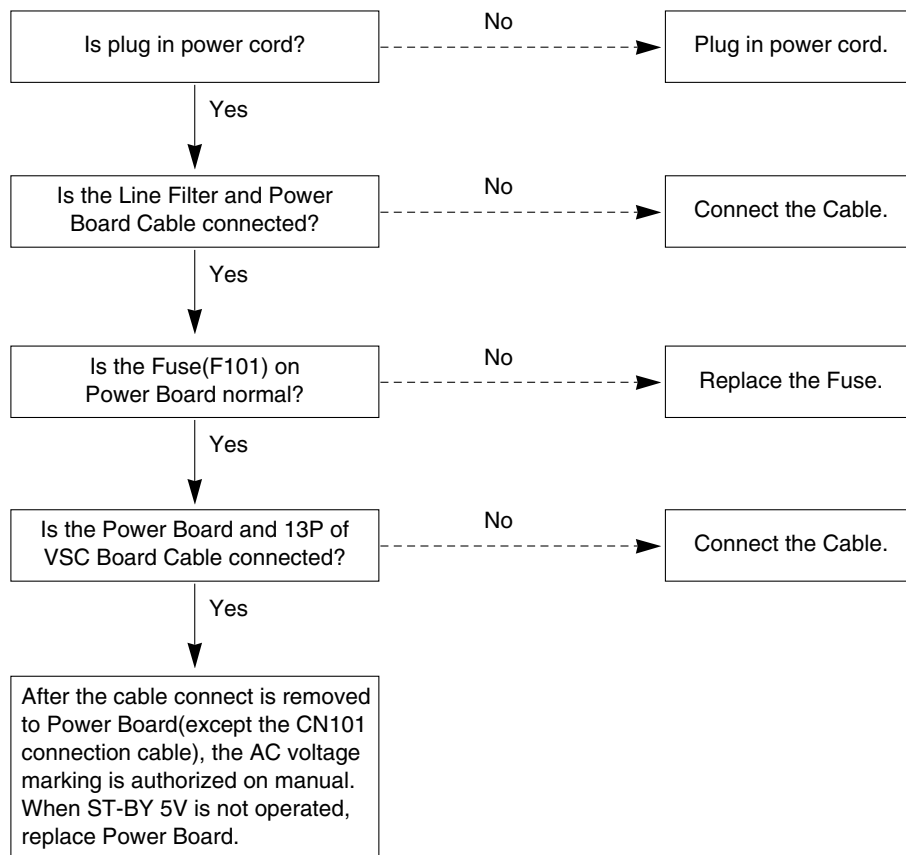
2. No Power

(1) Symptom

- 1) Doesn't minute discharge at module.
- 2) Non does not come in into the front LED.



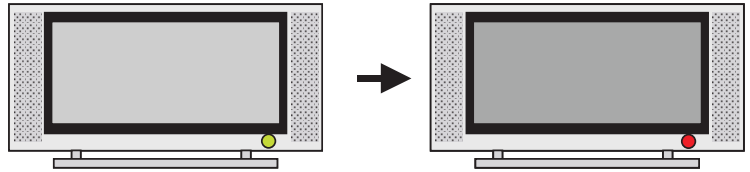
(2) Check following



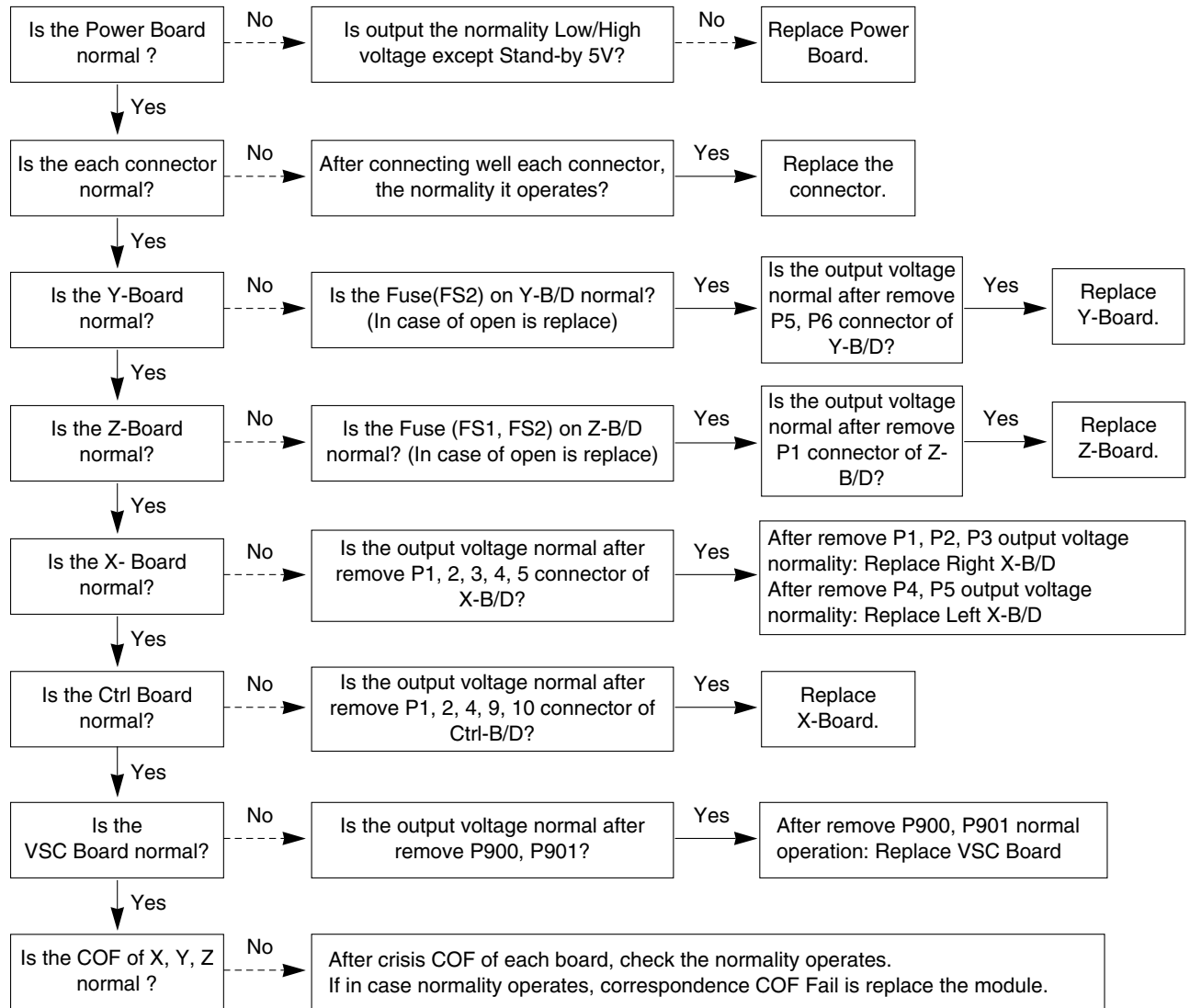
3. Protect Mode

(1) Symptom

- 1) After once shining, it does not discharge minutely from module.
- 2) The Relay falls.(The sound is audible "click")
- 3) It is converted with the color where the front LED is red from green.



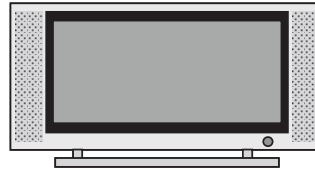
(2) Check following



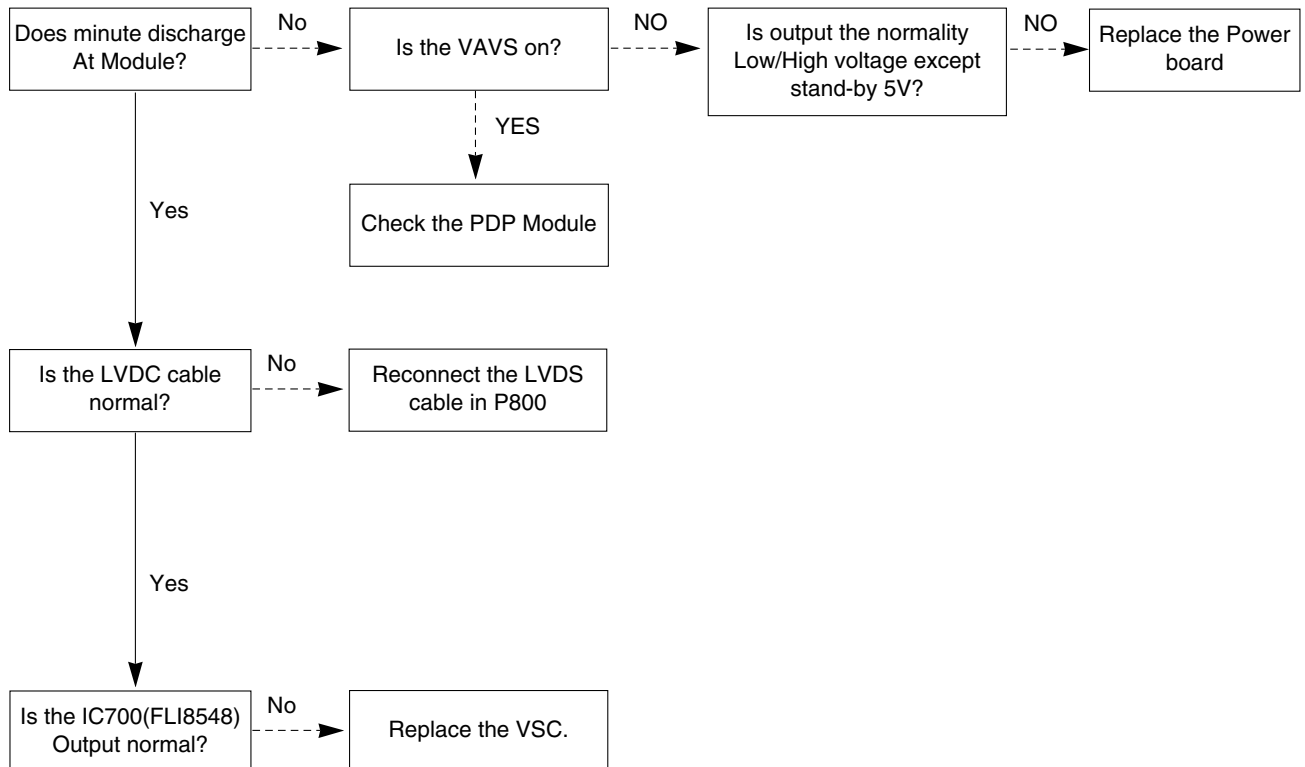
4. No Raster

(1) Symptom

- 1) No OSD and image occur at screen.
- 2) It maintains the condition where the front LED is green.



(2) Check following

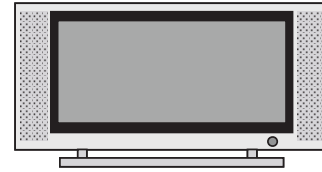


5. In case of occurring strange screen into specific mode

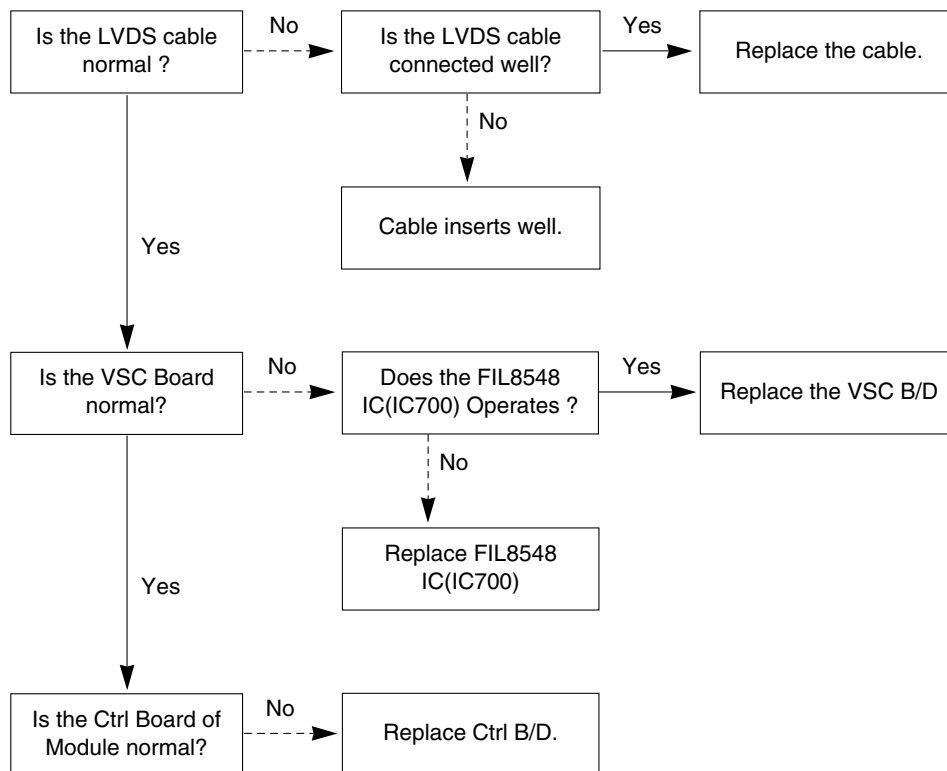
5-1. In case the OSD does not displayed

(1) Symptom

- 1) LED is green.
- 2) The minute discharged continuously becomes Accomplished from module.



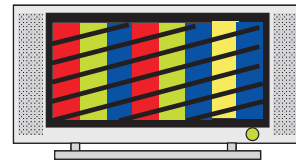
(2) Check following



5-2. In case of doesn't display the screen into specific mode

(1) Symptom

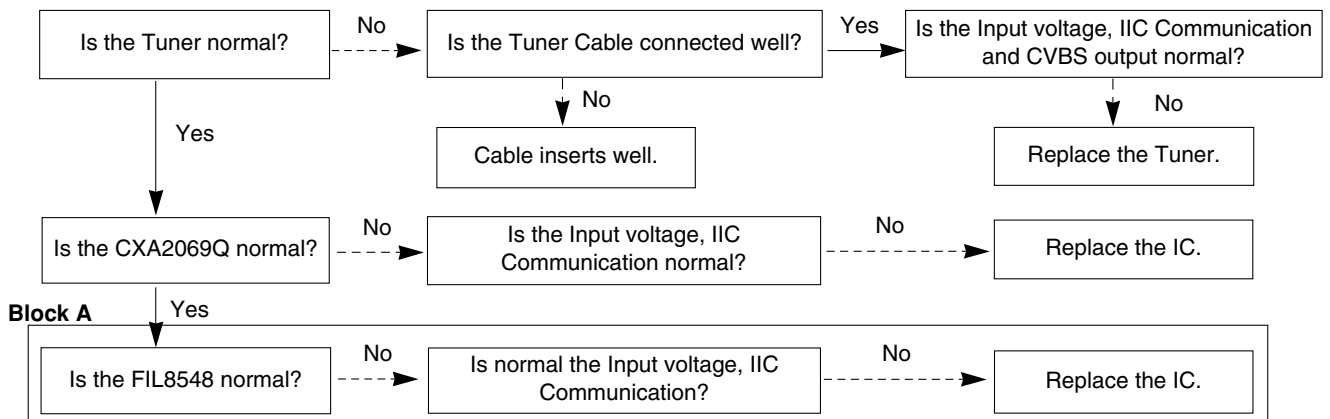
- 1) The screen does not become the display from specific input mode (RF, AV, Component, RGB, DVI).



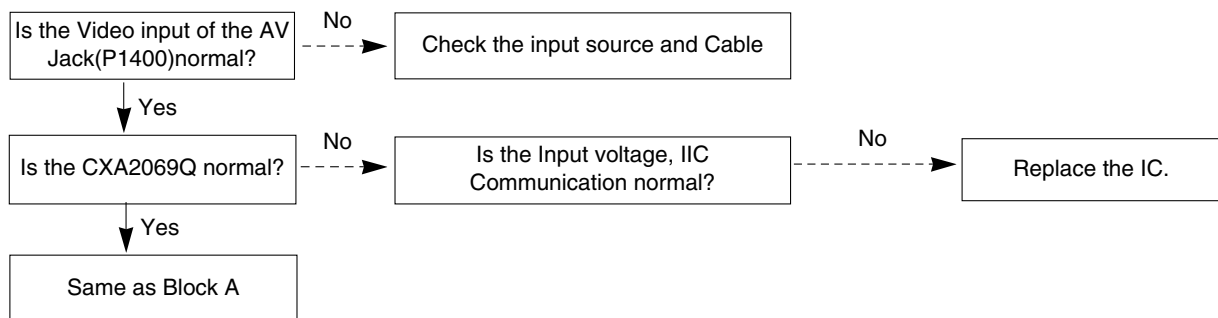
(2) Check following

- 1) Check the all input mode should become normality display.

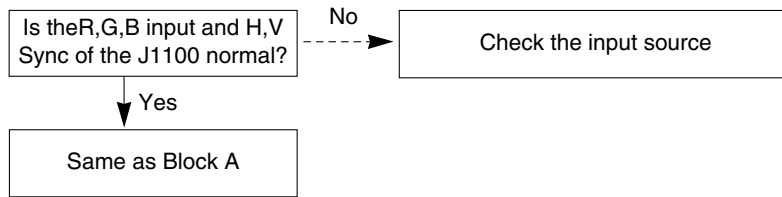
(3) In case of becomes unusual display from RF mode



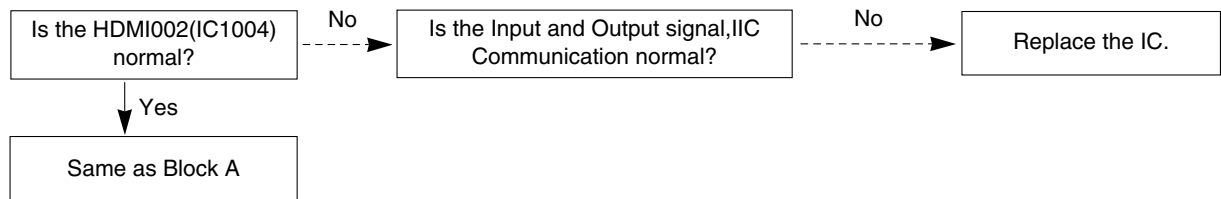
(4) In the case of becomes unusual display from side S-video/AV mode



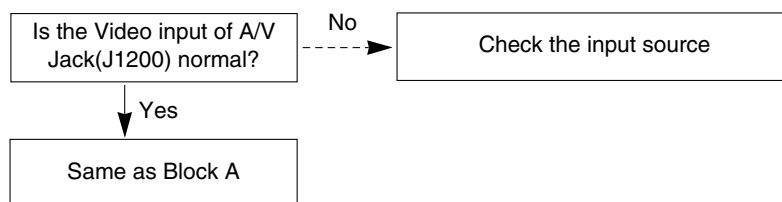
(5) In the case of becomes unusual display from Component, RGB mode



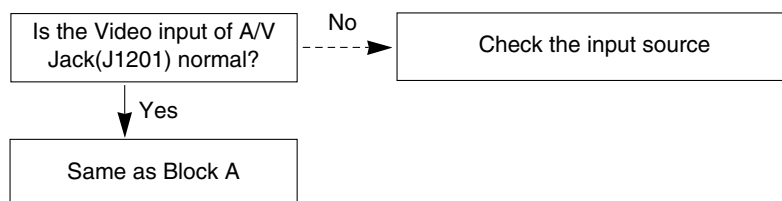
(6) In the case of becomes unusual display from HDMI mode



(7) In the case of becomes unusual display from SCART1 mode



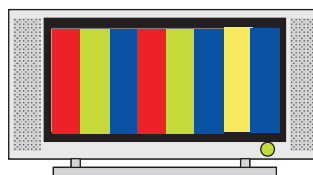
(8) In the case of becomes unusual display from SCART2 mode



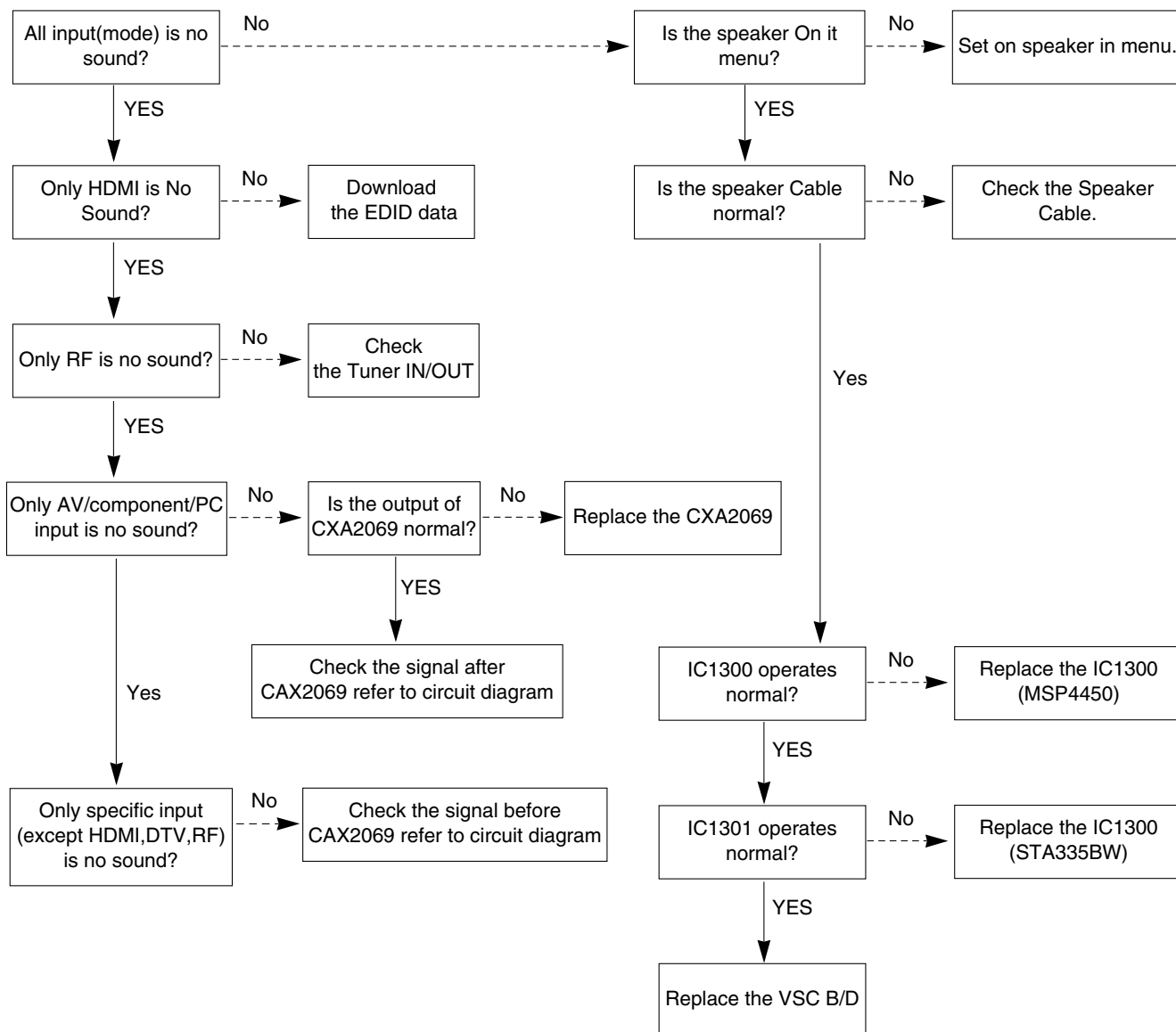
6. In case of no sound

(1) Symptom

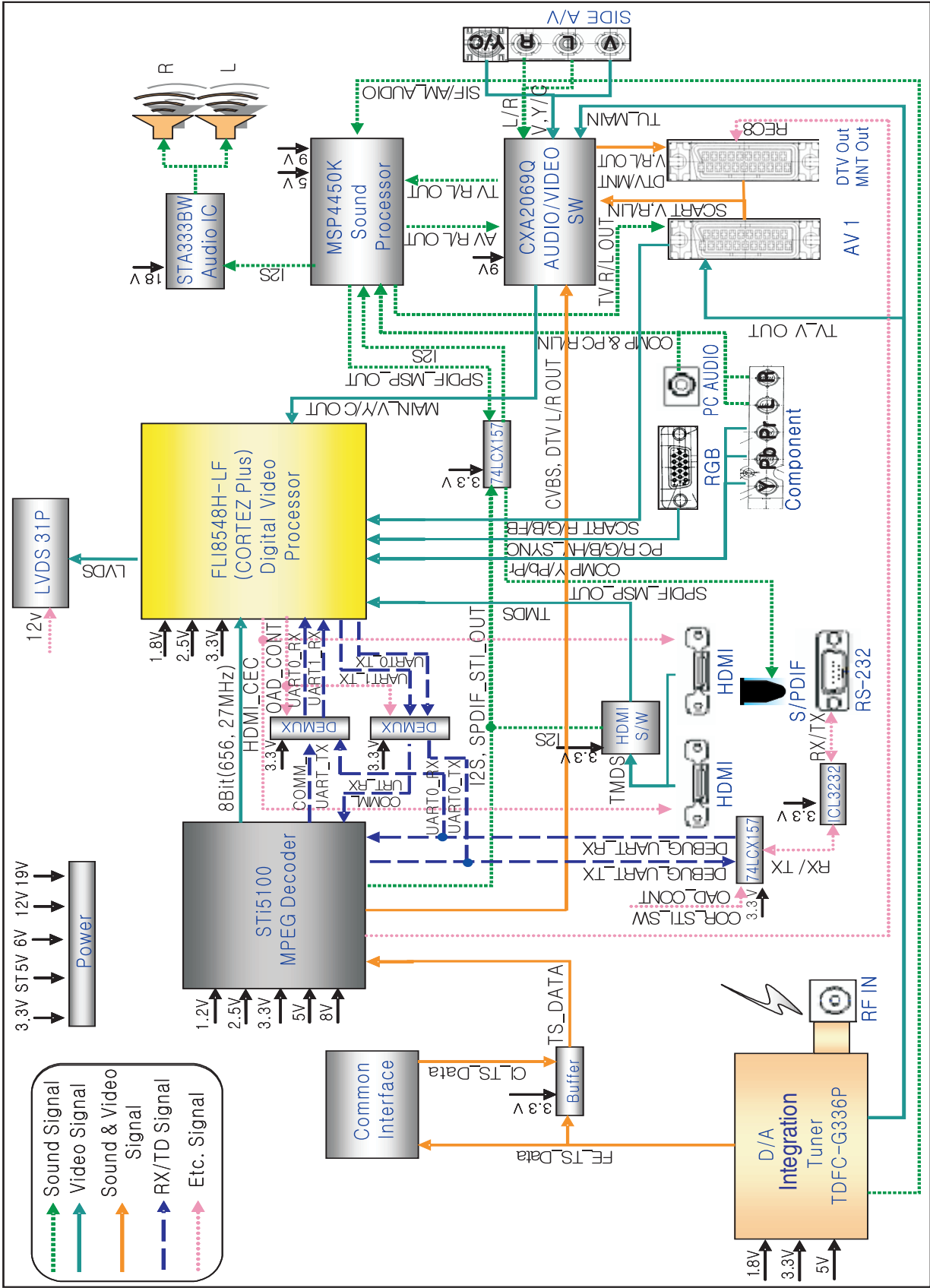
- 1) LED is Green.
- 2) Screen display but sound is not output.



(2) Check following

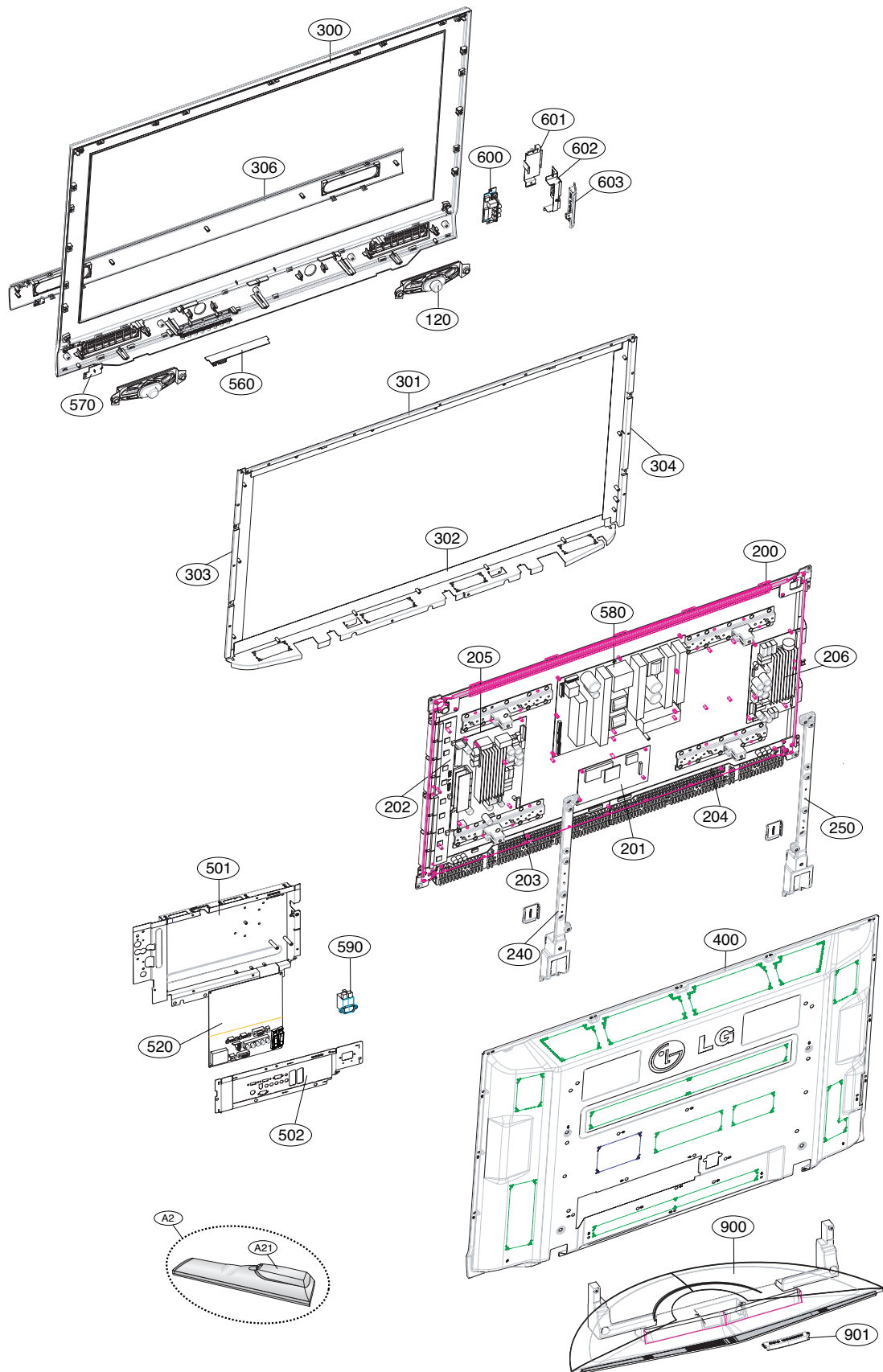


BLOCK DIAGRAM






MEMO

EXPLODED VIEW



EXPLODED VIEW PARTS LIST

The components identified by mark  is critical for safety.
Replace only with part number specified.

No.	Part No.	Descriptions
120	EAB33775101	Speaker, Full Range EN1562C-6712 ND 10W 8OHM 82DB 100HZ 193.5 X 42 X 39.9 LUG KOREA TOPTONE
 200	EAJ35703201	PDP, Module-XGA PDP42X40201.ASLGB XGA 42INCH 1024X768 16/9 PDP DIVISION
 201	6871QCH089A	Hand Insert PCB Assembly, 6871QCH089A CTRL ASS'Y HAND INSERT 42" X4 PDP DIVISION
 202	6871QDH127A	Hand Insert PCB Assembly, 6871QDH127A YDRV ASS'Y HAND INSERT 42" X4 PDP DIVISION
 203	6871QLH072A	Hand Insert PCB Assembly, 6871QLH072A XRLT ASS'Y HAND INSERT 42" X4 XL PDP DIVISION
 204	6871QRH082A	Hand Insert PCB Assembly, 6871QRH082A XRRT ASS'Y HAND INSERT 42" X4 XR PDP DIVISION
 205	6871QYH063A	Hand Insert PCB Assembly, 6871QYH063A YSUS ASS'Y HAND INSERT 42" X4 2L PDP DIVISION
 206	6871QZH067A	Hand Insert PCB Assembly, 6871QZH067A ZSUS ASS'Y HAND INSERT 42" X4 2L PDP DIVISION
240	AJJ31584103	Supporter Assembly, 42PC5 SUPP.VETICAL R ASSY SKD
250	AJJ31584104	Supporter Assembly, 42PC5 SUPP.VETICAL L ASSY SKD
 300	ABJ31583105	Cabinet Assembly, 42PC5D-DB . 42" CABINET ASSY SKD
301	AJJ31583603	Supporter Assembly, 42PC5 SUPP.FILTER TOP MA LOCAL
302	AJJ31583703	Supporter Assembly, 42PC5 SUPP.FILTER BOTTOM MA LOCAL
303	AJJ31583803	Supporter Assembly, 42PC5 SUPP.FILTER SIDE R MA LOCAL
304	AJJ31583903	Supporter Assembly, 42PC5 SUPP.FILTER SIDE L MA LOCAL
306	ABA31767901	Bracket Assembly, GRILLE 42PC5 - ASSY BRACKET SPEAKER DIRECT GRILL
 400	ACQ31583504	Cover Assembly, Rear 42" LGEMA PHANTOM
501	AGU31681116	Plate Assembly, ASSY PLATE TUNER BOT SMALL, 42PC5D-ZB ,MA LOCAL
502	AGU31680922	Plate Assembly, ASSY 42PC5D-ZB(WITH SLOT CARD, MA LOCAL) LGEUK
	AGU31680923	Plate Assembly, ASSY 42PC5D-ZB(WITHOUT SLOT , MA LOCAL)
520	EBR33721701	Hand Insert PCB Assembly, Main MAIN M.I PD73A 42PC5D - PD73A 42PC5D Main LGEUK
	EBR36611901	Hand Insert PCB Assembly, MAIN M.I PD73A 42PC5D-ZB SEULLJP Hand Insert
	EBR33721721	Hand Insert PCB Assembly, Main MAIN M.I PD73A 42PC5D - Main M.I PCB Assembly 42PC5D-ZB for MA_CKD
	EBR33721722	Hand Insert PCB Assembly, Main MAIN M.I PD73A 42PC5D-ZB KEKLLMP Main M.I PCB Assembly for MA_CKD
560	EBR33718501	Hand Insert PCB Assembly, Sub SUB M.I PD73A 42PC5D - 42PC5D CONTROL MANUAL(Hand Insert PCB)
570	EBR33721001	Hand Insert PCB Assembly, Sub SUB M.I PD73A 42PC5D - 42PC5D IR/LED
 580	EAY32808901	SMPS, AC/DC YPSUJ014A 100VTO240V 400W 50 TO 60HZ UL/CSA/CE/TUV 42INCH XPOWER DISPLAY PSU LG..
590	EAM35012703	Filter, AC Line IF2-N06CEWL2 5.3mH 250VAC 6A 0.22uF 1000pF VDE/CSA/K/CCC 450/130MM CORE ADDTION..
600	EBR33717101	Hand Insert PCB Assembly,Sub SUB M.I PD73A 42PC5D - 42PC5D side AV hand insert PCB Assy
601	MJH32554901	Supporter, PRESS SBHG 1 GUIDE EGI 42PC5, SUPP. SIDE AV
602	MGJ32369301	Plate, Shield PRESS SPTE 0.3 SHIELD SPTE 42PC5, SHIELD CASE SIDE AV
603	ABA31583301	Bracket Assembly, SIDE AV 42PC5 AB NON
 900	AAN31626704	Base Assembly, ASSY 42PC5 - FIXED STAND WITH LOGO SKD
901	MCK32604801	Cover, MOLD ABS 42PC5 ABS CABLE MANAGEMENT
A2	MKJ32022813	Remote Controller, COMPLEX LD73A 26LC4 EUROPASS_DVB
A21	3550V00590A	Cover, MOLD ABS BATTERY TN-50PY20 ABS 6710V00142

REPLACEMENT PARTS LIST

DATE: 2007. 03. 02.

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
CAPACITORS					
C1	0CH3104K566	0805B104K500CT 100nF 10% 50V X7R	C1135	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C100	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V C0G	C1136	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C100	0CC470CK41A	C1608C0G1H470JT 47pF 5% 50V C0G -	C114	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C100	0CH5101K416	C2012C0G1H101JT 100pF 5% 50V C0G	C115	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1002	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C116	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1003	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C117	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1004	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C118	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA
C1005	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C119	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1006	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C120	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1007	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1204	0CC221CK41A	C1608C0G1H221JT 220pF 5% 50V C0G
C1008	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1205	0CK393CK56A	0603B393K500CT 39nF 10% 50V X7R -
C1009	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1206	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -5
C101	0CE4763F618	ESF476M016T1A5E05G 47uF 20% 16V 6	C1207	0CK393CK56A	0603B393K500CT 39nF 10% 50V X7R -
C101	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V C0G	C1207	0CK393CK56A	0603B393K500CT 39nF 10% 50V X7R -
C101	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R	C1208	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -5
C1010	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1209	0CC221CK41A	C1608C0G1H221JT 220pF 5% 50V C0G
C102	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA	C121	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C102	0CE4763F618	ESF476M016T1A5E05G 47uF 20% 16V 6	C1210	0CC221CK41A	C1608C0G1H221JT 220pF 5% 50V C0G
C103	0CE4763F618	ESF476M016T1A5E05G 47uF 20% 16V 6	C1211	0CC331CK41A	C1608C0G1H331JT 330pF 5% 50V C0G
C103	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C1215	0CC331CK41A	C1608C0G1H331JT 330pF 5% 50V C0G
C104	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -	C1216	0CC331CK41A	C1608C0G1H331JT 330pF 5% 50V C0G
C104	0CH6330K416	C2012C0G1H330JT 33p 5% 50V C0G -5	C1217	0CE106WH6DC	MVK5.0TP25VC10M 10uF 20% 25V 25MA
C105	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C122	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C106	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C1225	0CE106WH6DC	MVK5.0TP25VC10M 10uF 20% 25V 25MA
C1068	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 80	C123	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C107	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C1232	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 80
C108	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C1232	0CE227WF6DC	MVK8.0TP16VC220M 220uF 20% 16V 80
C109	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -	C1234	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -5
C110	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA	C1235	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -5
C1100	0CC050CK11A	C1608C0G1H050DT 5pF 0.5PF 50V C0G	C1236	0CE106WH6DC	MVK5.0TP25VC10M 10uF 20% 25V 25MA
C1101	0CC050CK11A	C1608C0G1H050DT 5pF 0.5PF 50V C0G	C1237	0CE106WH6DC	MVK5.0TP25VC10M 10uF 20% 25V 25MA
C1104	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C1239	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1105	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C124	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1106	0CC120CK41A	C1608C0G1H120JT 12pF 5% 50V C0G -	C1244	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C1108	0CC120CK41A	C1608C0G1H120JT 12pF 5% 50V C0G -	C1244	0CK393CK56A	0603B393K500CT 39nF 10% 50V X7R -
C111	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C1246	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C1116	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1246	0CK393CK56A	0603B393K500CT 39nF 10% 50V X7R -
C1119	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1247	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 80
C112	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C1248	0CC050CK11A	C1608C0G1H050DT 5pF 0.5PF 50V C0G
C1120	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1249	0CC050CK11A	C1608C0G1H050DT 5pF 0.5PF 50V C0G
C1121	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C125	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1123	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1250	0CC050CK11A	C1608C0G1H050DT 5pF 0.5PF 50V C0G
C1125	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1251	0CC050CK11A	C1608C0G1H050DT 5pF 0.5PF 50V C0G
C1128	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C1252	0CC050CK11A	C1608C0G1H050DT 5pF 0.5PF 50V C0G
C1128	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1253	0CC050CK11A	C1608C0G1H050DT 5pF 0.5PF 50V C0G
C113	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C1254	0CC050CK11A	C1608C0G1H050DT 5pF 0.5PF 50V C0G
C1132	0CC681CK41A	C1608C0G1H681JT 680pF 5% 50V C0G	C1255	0CC050CK11A	C1608C0G1H050DT 5pF 0.5PF 50V C0G
C1133	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C126	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1134	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C127	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
			C128	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C129	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C1356	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V C0G
C130	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C1357	0CC221CK41A	C1608C0G1H221JT 220pF 5% 50V C0G
C1300	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V X7R -5	C1358	0CH2122K516	0805B122K500CT 1.2nF 10% 50V Y5P
C1301	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1359	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1301	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C136	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1302	0CE108EH618	KMG5.0TP25VB1000M 1000uF 20% 25V	C1360	0CC331CK41A	C1608C0G1H331JT 330pF 5% 50V C0G
C1303	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V X7R -5	C1361	0CC331CK41A	C1608C0G1H331JT 330pF 5% 50V C0G
C1304	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1362	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1304	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1363	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1305	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1364	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1306	0CK222CK56A	0603B222K500CT 2.2nF 10% 50V X7R	C1365	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1307	0CK682CK51A	C1608Y5P1H682KT 6.8nF 10% 50V Y5P	C1366	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1308	0CK682CK51A	C1608Y5P1H682KT 6.8nF 10% 50V Y5P	C1367	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1309	0CE475WK6DC	MVK5.0TP50VC4.7M 4.7uF 20% 50V 19	C1368	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C131	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C1369	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1310	0CE475WK6DC	MVK5.0TP50VC4.7M 4.7uF 20% 50V 19	C137	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1311	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1370	0CF4741L430	PCMT365 76474 470nF 5% 63V MPE -4
C1312	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C1371	0CF4741L430	PCMT365 76474 470nF 5% 63V MPE -4
C1313	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA	C1373	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1314	0CC030CK01A	0603N3R0C500LT 3pF 0.25PF 50V C0G	C138	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1315	0CC030CK01A	0603N3R0C500LT 3pF 0.25PF 50V C0G	C139	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1316	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C140	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1317	0CC560CK41A	C1608C0G1H560JT 56pF 5% 50V C0G -	C1400	0CE475WK6DC	MVK5.0TP50VC4.7M 4.7uF 20% 50V 19
C1318	0CC560CK41A	C1608C0G1H560JT 56pF 5% 50V C0G -	C1401	0CE475WK6DC	MVK5.0TP50VC4.7M 4.7uF 20% 50V 19
C1319	0CE335WK6D8	MVK4.0TP50VC3.3M 3.3uF 20% 50V 14	C1402	0CK682CK51A	C1608Y5P1H682KT 6.8nF 10% 50V Y5P
C132	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C1403	0CK682CK51A	C1608Y5P1H682KT 6.8nF 10% 50V Y5P
C1320	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25	C1404	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C1321	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25	C1407	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA
C1322	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C1408	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 80
C1325	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA	C1409	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1326	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25	C141	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1327	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1410	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA
C1329	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25	C1411	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C133	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C1412	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1330	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C1413	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1332	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25	C1418	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C1333	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V C0G	C1419	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C1335	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25	C142	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1338	0CK471CK56A	C1608X7R1H471KT 470pF 10% 50V X7R	C1420	0CK225DFK4A	C2012Y5V1C225MT 2.2uF 20% 16V Y5V
C134	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C1421	0CC820CK41A	C1608C0G1H820JT 82pF 5% 50V C0G -
C1340	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C1422	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C1341	0CE335WK6D8	MVK4.0TP50VC3.3M 3.3uF 20% 50V 14	C1423	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C1342	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1426	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C1343	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 80	C1428	0CK225DFK4A	C2012Y5V1C225MT 2.2uF 20% 16V Y5V
C1344	0CE106WH6DC	MVK5.0TP25VC10M 10uF 20% 25V 25MA	C1429	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C1345	0CE106WH6DC	MVK5.0TP25VC10M 10uF 20% 25V 25MA	C143	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1346	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25	C1439	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C1347	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25	C144	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C135	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C1440	0CK225DFK4A	C2012Y5V1C225MT 2.2uF 20% 16V Y5V
C1350	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA	C1441	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C1351	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1442	0CK225DFK4A	C2012Y5V1C225MT 2.2uF 20% 16V Y5V
C1352	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1444	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C1353	0CK222CK56A	0603B222K500CT 2.2nF 10% 50V X7R	C1445	0CK225DFK4A	C2012Y5V1C225MT 2.2uF 20% 16V Y5V
C1354	0CC102CK41A	C1608C0G1H102JT 1nF 5% 50V C0G -5	C1447	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C1355	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1448	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C1449	0CK225DFK4A	C2012Y5V1C225MT 2.2uF 20% 16V Y5V	C185	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C145	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C186	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1450	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C187	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1451	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C188	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C1452	0CC150CK41A	C1608C0G1H150JT 15pF 5% 50V C0G -	C189	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C1453	0CC150CK41A	C1608C0G1H150JT 15pF 5% 50V C0G -	C190	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C146	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C191	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C147	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C192	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C148	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C193	0CK822CK46A	0603B822J500CT 8.2nF 10% 50V X7R
C149	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C194	0CK822CK46A	0603B822J500CT 8.2nF 10% 50V X7R
C150	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C195	0CC220CK41A	C1608C0G1H220JT 22pF 5% 50V C0G -
C151	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C196	0CC100CK41A	C1608C0G1H100JT 10pF 5% 50V C0G -
C152	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C197	0CK475CC94A	C1608Y5V0J475ZT 4.7uF -20TO+80% 6
C153	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C198	0CK475CC94A	C1608Y5V0J475ZT 4.7uF -20TO+80% 6
C154	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C199	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C155	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C200	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C156	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C201	0CC470CK41A	C1608C0G1H470JT 47pF 5% 50V C0G -
C157	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C202	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V C0G
C158	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C203	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C159	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C204	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C160	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C206	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C161	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C207	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C162	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C209	EAE32755801	CL31A106K5HNNNE 10uF 10% 16V X5R
C163	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C212	EAE32755801	CL31A106K5HNNNE 10uF 10% 16V X5R
C164	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C213	EAE32755801	CL31A106K5HNNNE 10uF 10% 16V X5R
C165	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C216	EAE32755801	CL31A106K5HNNNE 10uF 10% 16V X5R
C166	EAE32755801	CL31A106K5HNNNE 10uF 10% 16V X5R	C218	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C167	EAE32755801	CL31A106K5HNNNE 10uF 10% 16V X5R	C219	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C168	EAE32755801	CL31A106K5HNNNE 10uF 10% 16V X5R	C220	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C169	0CC100CK41A	C1608C0G1H100JT 10pF 5% 50V C0G -	C221	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C170	0CC220CK41A	C1608C0G1H220JT 22pF 5% 50V C0G -	C222	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C1700	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C224	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C1701	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C226	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 80
C1702	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C227	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 80
C1703	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C228	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C1705	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C229	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C1706	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C230	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C1707	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C231	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C1708	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA	C232	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C1709	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C233	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C171	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C234	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1710	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C235	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C172	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C236	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C173	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C237	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C174	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C238	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C175	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C239	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C176	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C240	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C177	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C241	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C178	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C242	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C179	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C243	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C180	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C301	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C181	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA	C302	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C182	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -	C303	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C183	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C306	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C184	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C307	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C308	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C605	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C309	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C606	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C310	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C608	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V C0G
C311	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C608	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V C0G
C312	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C609	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C313	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C609	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C314	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C610	0CC271CK41A	C1608C0G1H271JT 270pF 5% 50V C0G
C409	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C611	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 80
C410	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C612	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA
C411	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C613	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 80
C412	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA	C615	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C413	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C616	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C414	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA	C625	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C415	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C625	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C429	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C626	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C430	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C627	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C515	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 80	C630	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 80
C516	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C633	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C517	0CE227WF6DC	MVK8.0TP16VC220M 220uF 20% 16V 80	C633	0CK475CC94A	C1608Y5V0J475ZT 4.7uF -20TO+80% 6
C518	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C635	0CK472CK56A	0603B472K500CT 4.7nF 10% 50V X7R
C519	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 80	C636	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C520	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C637	0CK472CK56A	0603B472K500CT 4.7nF 10% 50V X7R
C521	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C638	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA
C522	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 80	C638	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 80
C523	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 80	C639	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 80
C524	0CE477WF6DC	MVK10TP16VC470M 470uF 20% 16V 80M	C640	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 80
C525	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C641	0CC470CK41A	C1608C0G1H470JT 47pF 5% 50V C0G -
C526	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C642	0CC470CK41A	C1608C0G1H470JT 47pF 5% 50V C0G -
C527	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 80	C700	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C528	0CE227WF6DC	MVK8.0TP16VC220M 220uF 20% 16V 80	C701	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA
C529	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C702	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C530	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C703	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C531	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C704	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C532	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C705	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA
C533	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 80	C706	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C534	0CE227WF6DC	MVK8.0TP16VC220M 220uF 20% 16V 80	C707	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C535	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -	C708	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C537	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C709	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C539	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C710	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C540	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -	C711	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C541	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 80	C712	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C542	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C713	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C543	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 80	C714	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C544	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C715	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C548	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 80	C716	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C549	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 80	C717	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C550	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C718	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C551	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C721	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C553	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C722	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C554	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -	C723	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA
C555	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -	C724	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C601	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V C0G	C725	0CC200CK41A	C1608C0G1H200JT 20pF 5% 50V C0G -
C602	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	C725	0CC220CK41A	C1608C0G1H220JT 22pF 5% 50V C0G -
C603	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C726	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C604	0CC100CK41A	C1608C0G1H100JT 10pF 5% 50V C0G -	C727	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C728	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C785	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C729	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C786	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C730	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C787	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C732	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C788	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C733	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C789	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C734	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C790	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C736	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA	C791	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C737	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C792	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C738	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C793	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA
C739	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C794	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C740	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA	C795	0CC220CK41A	C1608C0G1H220JT 22pF 5% 50V C0G -
C741	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C796	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA
C742	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C797	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA
C743	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA	C798	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C744	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C799	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C745	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C800	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C746	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C801	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA
C747	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C802	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C748	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -	C803	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA
C749	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C806	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C750	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C807	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C751	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C810	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C752	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C812	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C753	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C813	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C754	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C815	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C755	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C817	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C756	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C818	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C757	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C822	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA
C758	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA	C824	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C759	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C826	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C760	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C828	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C761	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C830	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C762	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C831	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C763	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C834	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C764	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C836	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C765	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA	C840	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C766	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C841	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C767	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C844	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C768	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C846	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C769	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C847	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C770	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C850	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C771	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C851	0CK225DFK4A	C2012Y5V1C225MT 2.2uF 20% 16V Y5V
C772	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C852	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 80
C773	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C853	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 80
C774	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C854	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C775	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C855	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C776	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C856	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C777	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C857	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C778	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C859	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C779	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C860	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C780	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C861	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C781	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C862	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C782	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C863	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C783	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C864	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C784	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C865	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C866	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	D1000	ODD184009AA	KDS184 KDS184 TP KEC - 85V - - -
C867	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	D1001	ODD184009AA	KDS184 KDS184 TP KEC - 85V - - -
C868	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	D1002	ODD184009AA	KDS184 KDS184 TP KEC - 85V - - -
C869	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	D101	EAH33946001	CDS3C05GTA 5.6V 6.4V 19V 1.9A 1W
C870	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	D102	EAH33946001	CDS3C05GTA 5.6V 6.4V 19V 1.9A 1W
C875	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	D103	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C900	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	D104	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C901	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 80	D900	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC 15
C903	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA	D902	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC 15
C904	0CK225DFK4A	C2012Y5V1C225MT 2.2uF 20% 16V Y5V	D903	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC 15
C905	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	D904	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC 15
C907	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 80	D905	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC 15
C908	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	D906	ODD100009AM	EU1ZV(1) 200V 2.5V 10UA 15A 400NS
C909	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	ZD1100	EAH33946001	CDS3C05GTA 5.6V 6.4V 19V 1.9A 1W
C910	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	ZD1101	EAH33946001	CDS3C05GTA 5.6V 6.4V 19V 1.9A 1W
C911	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	ZD1102	EAH33946001	CDS3C05GTA 5.6V 6.4V 19V 1.9A 1W
C912	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA	ZD1103	EAH33946001	CDS3C05GTA 5.6V 6.4V 19V 1.9A 1W
C914	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	ZD1104	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C915	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 80	ZD1105	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C917	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	ZD1106	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C924	0CE107WH6DC	MVK8.0TP25VC100M 100uF 20% 25V 18	ZD1107	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C925	0CE227WF6DC	MVK8.0TP16VC220M 220uF 20% 16V 80	ZD1108	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C928	0CE227WF6DC	MVK8.0TP16VC220M 220uF 20% 16V 80	ZD1109	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C929	0CE227WF6DC	MVK8.0TP16VC220M 220uF 20% 16V 80	ZD1110	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C931	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	ZD1111	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C932	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	ZD1112	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C933	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	ZD1113	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C934	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	ZD1114	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C935	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	ZD1203	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C937	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 80	ZD1211	EAH33946001	CDS3C05GTA 5.6V 6.4V 19V 1.9A 1W
C954	0CE477WF6DC	MVK10TP16VC470M 470uF 20% 16V 80M	ZD1212	EAH33946001	CDS3C05GTA 5.6V 6.4V 19V 1.9A 1W
C955	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25	ZD1213	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C955	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25	ZD1214	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C956	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25	ZD1217	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C957	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 80	ZD1218	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C958	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 80	ZD1219	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C959	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 80	ZD1220	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C960	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	ZD1221	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C961	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	ZD1222	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C962	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	ZD1223	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C969	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 80	ZD1224	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C970	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 80	ZD1225	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C971	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 80	ZD1226	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C972	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	ZD1300	0DZRM00248A	RLZ8.2B 8.2V 7.78TO8.19V 80HM 500
C973	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	D100	ODL200000CA	LED,DIPSAM5670(DL-2LRG) ROUND 4.8MM Y-GR
C974	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	ICs		
C975	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 80	IC100	0IPRP00703B	STI5100GUC 3.3V 5u 27M PBGA TR 33
C977	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	IC1002	0IMMRAL014D	AT24C02BN-10SU-1.8 2KBIT 256x8BIT
C979	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R	IC1003	0IMMRAL014D	AT24C02BN-10SU-1.8 2KBIT 256x8BIT
C980	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	IC1004	EAN33595101	STHDMI002A 3.135TO3.465 9NSEC 9NS
C981	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA	IC102	0ISTLPH026A	74LVC14APW 1.2TO3.6V 0.01mA SCHMI
DIODEs			IC103	0IMP242560A	24LC256T-I/SM 256KBIT 256KX8BIT 2
D100	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S	IC1100	0IMMRAL014D	AT24C02BN-10SU-1.8 2KBIT 256x8BIT

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
IC1101	0IPH741400E	74HC14D 2TO6V 0.002mA SCHMITT TRI	L1104	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X1.6X1.
IC1102	0IPRP00009A	ICL3232CBNZ 3VTO5.5V - SSOP R/TP	L1105	6210TCE001P	HB-1S2012-121JT(H:1mm) 120OHM 2X1
IC1104	0ITO741570C	TC74LCX157FT 2TO3.6V 0.01mA MULTI	L1106	6210TCE001P	HB-1S2012-121JT(H:1mm) 120OHM 2X1
IC1105	0IMCRFA018A	NC7SB3157P6X_NL 1.65TO5.5V 0.001m	L1107	6210TCE001P	HB-1S2012-121JT(H:1mm) 120OHM 2X1
IC1106	0IMCRFA018A	NC7SB3157P6X_NL 1.65TO5.5V 0.001m	L1108	6210TCE001P	HB-1S2012-121JT(H:1mm) 120OHM 2X1
IC1300	0IMCRMN028C	MSP4450K-QA-D6 7.6TO8.7V_4.75TO5.	L1109	6210TCE001P	HB-1S2012-121JT(H:1mm) 120OHM 2X1
IC1301	0ILNR00261C	STA335BW 5TO26V 0 10% 20W 0W 80dB	L1206	6210TCE001Z	HH-1M2012-600JT 60OHM 2X1.25X1MM
IC1400	0ISO206900A	CXA2069Q 8.5TO9.5V - - 1.3W QFP T	L1207	6210TCE001Z	HH-1M2012-600JT 60OHM 2X1.25X1MM
IC200	0IPMG78391A	SC2595STR 2.3TO5V 0 0W SOIC R/TP	L1208	6210TCE001Z	HH-1M2012-600JT 60OHM 2X1.25X1MM
IC202	0IMMRIH038B	HYB25D(C)256160CE-5 256MBIT 4MX16	L1211	6210TCE001L	HB-1T2012-102JT 1000OHM 2X1.25X1M
IC300	0ISTLPH003B	74LVC541APW 1.2TO3.6V 0.01mA BUFF	L1212	6210TCE001L	HB-1T2012-102JT 1000OHM 2X1.25X1M
IC301	0IMCRFA013A	74LCX244MTC 2TO3.6V 0.01mA BUFFER	L1215	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X1.6X1.
IC302	0ISTLPH003B	74LVC541APW 1.2TO3.6V 0.01mA BUFF	L1300	6200J000013	MLB-321611-0500P-N2 500OHM 3.2X1.
IC303	0IMCRFA013A	74LCX244MTC 2TO3.6V 0.01mA BUFFER	L1301	6200J000013	MLB-321611-0500P-N2 500OHM 3.2X1.
IC304	0ISTLPH048A	74LVC245APW 1.2TO3.6V 0.01mA TRAN	L1302	6200J000013	MLB-321611-0500P-N2 500OHM 3.2X1.
IC305	0ISTL00083A	74LCX373MTC 2.0V to 3.6V 10uA LAT	L1303	6200J000013	MLB-321611-0500P-N2 500OHM 3.2X1.
IC306	0ISTL00083A	74LCX373MTC 2.0V to 3.6V 10uA LAT	L1309	6210TCE001S	HU-1M2012-121 120OHM 2X1.25X1MM S
IC402	0ITO740800C	TC74LCX08FT 2TO3.6V 10uA AND GATE	L1309	6210TCE001P	HB-1S2012-121JT(H:1mm) 120OHM 2X1
IC403	0IMCRPH015A	74LVC32AD 1.2TO3.6V 0.01mA OR GAT	L1310	6210TCE001S	HU-1M2012-121 120OHM 2X1.25X1MM S
IC404	0ISTLPH026A	74LVC14APW 1.2TO3.6V 0.01mA SCHMI	L1310	6210TCE001P	HB-1S2012-121JT(H:1mm) 120OHM 2X1
IC410	0ITO741570C	TC74LCX157FT 2TO3.6V 0.01mA MULTI	L1311	6210TCE001S	HU-1M2012-121 120OHM 2X1.25X1MM S
IC500	0IMCRSJ001A	SC15651ST-1.8 2.2TO5.5V 1.8V 0W S	L1311	6210TCE001P	HB-1S2012-121JT(H:1mm) 120OHM 2X1
IC501	0IPMG00027A	SC156515M-1.8TR 2.2TO5.5V 1.8V 0W	L1312	6210TCE001S	HU-1M2012-121 120OHM 2X1.25X1MM S
IC502	0IMCRSJ001B	SC15651ST-2.5TR 2.2TO5V 2.5V 0W S	L1312	6210TCE001P	HB-1S2012-121JT(H:1mm) 120OHM 2X1
IC503	0IPMGKE030A	KIA78R05F 6TO12V 5V 8W DPAK R/TP	L1314	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X1.6X1.
IC504	0IPMGKE031A	KIA78R33F 4TO10V 3.3V 8W DPAK R/T	L1315	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X1.6X1.
IC505	0IPMGKE031A	KIA78R33F 4TO10V 3.3V 8W DPAK R/T	L1401	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X1.6X1.
IC506	0ISTL00029A	MC33078DR2G +-5TO+-18V 2mV 0.002%	L1403	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X1.6X1.
IC507	0IPMGKE030A	KIA78R05F 6TO12V 5V 8W DPAK R/TP	L1412	6210TCE001E	HB-1M2012-800JT(H:1mm) 80OHM 2X1.
IC600	0IPRP00602A	TPS2010ADR 2.7TO5.5V 8.6MSEC 3.4M	L1413	6210TCE001E	HB-1M2012-800JT(H:1mm) 80OHM 2X1.
IC700	EAN33595901	FLI8548H-LF-BE 300MVTQ3.6V,300MVT	L400	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X1.6X1.
IC701	0IMP242560A	24LC256T-/SM 256KBIT 256KX8BIT 2	L606	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X1.6X1.
IC702	EAN34099701	M2404HEPROM 4KBIT 512 x 8bit 2.5V	L607	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X1.6X1.
IC801	0IMMRIH038B	HYB25D(C)256160CE-5 256MBIT 4MX16	L700	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X1.6X1.
IC804	0IPMG78391A	SC2595STR 2.3TO5V 0 0W SOIC R/TP	L701	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X1.6X1.
IC900	0IPMGFA061A	FAN1587AD33X 4.8TO10.3V 3.3V 0W T	L703	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X1.6X1.
IC901	0IPMGFA061A	FAN1587AD33X 4.8TO10.3V 3.3V 0W T	L704	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X1.6X1.
IC902	0IPMG00107A	AZ1117H-2.5TR/E1 15V 2.5V 0W SOT2	L705	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X1.6X1.
IC903	0IPMG00027A	SC156515M-1.8TR 2.2TO5.5V 1.8V 0W	L706	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X1.6X1.
IC904	EAN32662801	KA7809ERTM 35V to 40V 9V 1W DPAK	L707	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X1.6X1.
FILTERS & INDUCTORS			L900	6210TCE001X	HU-1H4532-121JT 120OHM 4.5X3.2X1.
F1	6210VH0004A	6210VH0004A 100OHM 30MM 13MM 34MM	L900	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X1.6X1.
L100	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X1.6X1.	L907	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X1.6X1.
L101	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X1.6X1.	L909	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X1.6X1.
L102	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X1.6X1.	L911	6210TCE001X	HU-1H4532-121JT 120OHM 4.5X3.2X1.
L103	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X1.6X1.	L912	6210TCE001X	HU-1H4532-121JT 120OHM 4.5X3.2X1.
L104	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X1.6X1.	L913	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X1.6X1.
L105	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X1.6X1.	L918	6210TCE001X	HU-1H4532-121JT 120OHM 4.5X3.2X1.
L106	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X1.6X1.	L919	6210TCE001X	HU-1H4532-121JT 120OHM 4.5X3.2X1.
L108	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X1.6X1.	L923	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X1.6X1.
L1101	6210TCE001L	HB-1T2012-102JT 1000OHM 2X1.25X1M	L924	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X1.6X1.
L1102	6210TCE001L	HB-1T2012-102JT 1000OHM 2X1.25X1M	L925	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X1.6X1.
L1104	6210TCE001G	HH-1M3216-501JT 500OHM 3.2X1.6X1.	X100	6212AC2002B	Crystal, 9H03200164 32.768KHZ 20PPM 12.5pF
			X101	6212AB2883A	Crystal, HC-49SM 27.00000MHZ 27MHZ 30PPM 1
			X1300	156-A02R	Crystal, EUA18.4320F16E33L 18.432MHZ 30PPM

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
X700	6212AB2015J	Crystal, HC-49SM 19.66080HZ 19.6608HZ 30PP	Q503	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L100	0LC2232101A	Inductor, FI-D3216-223KJT 22UH 10% - 25MA 1	Q504	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50V -
L109	0LC1032101A	Inductor, FI-C3216-103KJT 10UH 10% - 50MA 0	Q602	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50V -
L1209	0LCML00020G	Inductor, MLI-201209-3R3K 3.3UH 10% 0V 30MA	Q603	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L1210	0LCML00020G	Inductor, MLI-201209-3R3K 3.3UH 10% 0V 30MA	Q604	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L1213	0LCML00020G	Inductor, MLI-201209-3R3K 3.3UH 10% 0V 30MA	Q606	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50V -
L1214	0LCML00020G	Inductor, MLI-201209-3R3K 3.3UH 10% 0V 30MA	Q607	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50V -
L1214	0LCML00020G	Inductor, MLI-201209-3R3K 3.3UH 10% 0V 30MA	Q608	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L1216	0LCML00020G	Inductor, MLI-201209-3R3K 3.3UH 10% 0V 30MA	Q609	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50V -
L1217	0LCML00020G	Inductor, MLI-201209-3R3K 3.3UH 10% 0V 30MA	Q900	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L1218	0LCML00020G	Inductor, MLI-201209-3R3K 3.3UH 10% 0V 30MA	Q901	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L1219	0LCML00020G	Inductor, MLI-201209-3R3K 3.3UH 10% 0V 30MA	Q902	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L1220	0LCML00020G	Inductor, MLI-201209-3R3K 3.3UH 10% 0V 30MA	Q902	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L1221	0LCML00020G	Inductor, MLI-201209-3R3K 3.3UH 10% 0V 30MA	Q903	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L1222	0LCML00020G	Inductor, MLI-201209-3R3K 3.3UH 10% 0V 30MA	Q904	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L1304	0LCTO00019A	Inductor, D75C-646CY-220M=P3 22UH 20% 0V 1.	Q905	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L1305	0LCTO00019A	Inductor, D75C-646CY-220M=P3 22UH 20% 0V 1.	Q905	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L1306	0LCTO00019A	Inductor, D75C-646CY-220M=P3 22UH 20% 0V 1.	Q906	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L1307	0LCTO00019A	Inductor, D75C-646CY-220M=P3 22UH 20% 0V 1.	Q907	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L1404	0LC0233002A	Inductor, FI-B2012-332KJT 3.3UH 10% 50V 50M	RESISTORS		
L1406	0LC0233002A	Inductor, FI-B2012-332KJT 3.3UH 10% 50V 50M	AR100	0RJ0472C687	RCA86TRJ47R0 47OHM 5% 1/16W 4 SMD
L1407	0LC0233002A	Inductor, FI-B2012-332KJT 3.3UH 10% 50V 50M	AR101	0RJ0472C687	RCA86TRJ47R0 47OHM 5% 1/16W 4 SMD
L600	0LCTA00003A	Inductor, LEMC3225T6R8M 6.8UH 20% 50V 360MA	AR102	0RJ0472C687	RCA86TRJ47R0 47OHM 5% 1/16W 4 SMD
L601	0LCTA00003A	Inductor, LEMC3225T6R8M 6.8UH 20% 50V 360MA	AR103	0RJ0472C687	RCA86TRJ47R0 47OHM 5% 1/16W 4 SMD
L604	0LC0233002A	Inductor, FI-B2012-332KJT 3.3UH 10% 50V 50M	AR104	0RJ0472C687	RCA86TRJ47R0 47OHM 5% 1/16W 4 SMD
L605	0LCTA00003A	Inductor, LEMC3225T6R8M 6.8UH 20% 50V 360MA	AR105	0RJ0472C687	RCA86TRJ47R0 47OHM 5% 1/16W 4 SMD
TRANSISTORS & FETs			AR106	0RJ0472C687	RCA86TRJ47R0 47OHM 5% 1/16W 4 SMD
Q1001	0TR830009BA	FET, BSS83 N-CHANNEL MOSFET 10V - 50MA	AR107	0RJ0472C687	RCA86TRJ47R0 47OHM 5% 1/16W 4 SMD
Q100	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N	AR108	0RJ0472C687	RCA86TRJ47R0 47OHM 5% 1/16W 4 SMD
Q101	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N	AR109	0RJ0472C687	RCA86TRJ47R0 47OHM 5% 1/16W 4 SMD
Q1100	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M	AR110	0RJ0472C687	RCA86TRJ47R0 47OHM 5% 1/16W 4 SMD
Q1101	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50V -	AR111	0RJ0472C687	RCA86TRJ47R0 47OHM 5% 1/16W 4 SMD
Q1200	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M	AR200	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W 4 SMD
Q1201	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M	AR201	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W 4 SMD
Q1202	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M	AR202	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W 4 SMD
Q1203	0TR102009AM	KRA102S PNP -30V 0V -50V -0.1A -0	AR203	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W 4 SMD
Q1204	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M	AR204	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W 4 SMD
Q1300	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M	AR205	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W 4 SMD
Q1301	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M	AR206	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W 4 SMD
Q1302	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M	AR207	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W 4 SMD
Q1303	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M	AR303	0RJ0332C687	RCA86TRJ33R0 33OHM 5% 1/16W 4 SMD
Q1304	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M	AR304	0RJ0332C687	RCA86TRJ33R0 33OHM 5% 1/16W 4 SMD
Q1305	0TR102009AM	KRA102S PNP -30V 0V -50V -0.1A -0	AR305	0RJ0332C687	RCA86TRJ33R0 33OHM 5% 1/16W 4 SMD
Q1400	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M	AR306	0RJ0332C687	RCA86TRJ33R0 33OHM 5% 1/16W 4 SMD
Q1401	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M	AR307	0RJ0332C687	RCA86TRJ33R0 33OHM 5% 1/16W 4 SMD
Q1402	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M	AR308	0RJ0332C687	RCA86TRJ33R0 33OHM 5% 1/16W 4 SMD
Q1403	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50V -	AR309	0RJ0332C687	RCA86TRJ33R0 33OHM 5% 1/16W 4 SMD
Q1404	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M	AR310	0RJ0332C687	RCA86TRJ33R0 33OHM 5% 1/16W 4 SMD
Q400	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M	AR311	0RJ0332C687	RCA86TRJ33R0 33OHM 5% 1/16W 4 SMD
Q401	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M	AR312	0RJ0332C687	RCA86TRJ33R0 33OHM 5% 1/16W 4 SMD
Q402	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M	AR313	0RJ0332C687	RCA86TRJ33R0 33OHM 5% 1/16W 4 SMD
Q500	0TR102009AM	KRA102S PNP -30V 0V -50V -0.1A -0	AR314	0RJ0332C687	RCA86TRJ33R0 33OHM 5% 1/16W 4 SMD
Q502	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M	AR701	0RJ0332C687	RCA86TRJ33R0 33OHM 5% 1/16W 4 SMD

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
AR701	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM	R1040	0RJ4702D677	MCR03EJPJ473 47KOHM 5% 1/10W 1608
AR702	0RJ0332C687	RCA86TRJ33R0 33OHM 5% 1/16W 4 SMD	R1041	0RJ4702D677	MCR03EJPJ473 47KOHM 5% 1/10W 1608
AR702	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM	R1042	0RJ4702D677	MCR03EJPJ473 47KOHM 5% 1/10W 1608
AR704	EBC32260501	MNR04M0APJ000 0OHM 5% 1/16W 4 SMD	R1043	0RJ4702D677	MCR03EJPJ473 47KOHM 5% 1/10W 1608
AR706	0RJ0332C687	RCA86TRJ33R0 33OHM 5% 1/16W 4 SMD	R1044	0RJ3301D677	MCR03EJPJ332 3.3KOHM 5% 1/10W 160
AR706	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM	R1045	0RJ0000D677	MCR03EJPJ000 0OHM 5% 1/10W 1608 R
AR708	0RJ0332C687	RCA86TRJ33R0 33OHM 5% 1/16W 4 SMD	R1046	0RJ0000D677	MCR03EJPJ000 0OHM 5% 1/10W 1608 R
AR708	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM	R1047	0RJ0000D677	MCR03EJPJ000 0OHM 5% 1/10W 1608 R
AR711	EBC32260501	MNR04M0APJ000 0OHM 5% 1/16W 4 SMD	R1049	0RJ0000D677	MCR03EJPJ000 0OHM 5% 1/10W 1608 R
AR800	EBC32260405	MNR04M0APJ680 68OHM 5% 1/16W 4 SM	R105	0RD9101Q609	RDM94T1J9K10 9.1KOHM 5% 1/4W 3.2X
AR800	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM	R105	0RJ2203D677	MCR03EJPJ224 220KOHM 5% 1/10W 160
AR805	EBC32260405	MNR04M0APJ680 68OHM 5% 1/16W 4 SM	R105	0RJ4701D677	MCR03EJPJ472 4.7KOHM 5% 1/10W 160
AR805	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM	R105	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/
AR806	EBC32260405	MNR04M0APJ680 68OHM 5% 1/16W 4 SM	R1050	0RJ0000D677	MCR03EJPJ000 0OHM 5% 1/10W 1608 R
AR806	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM	R1052	0RJ0000D677	MCR03EJPJ000 0OHM 5% 1/10W 1608 R
AR807	EBC32260405	MNR04M0APJ680 68OHM 5% 1/16W 4 SM	R1053	0RJ0000D677	MCR03EJPJ000 0OHM 5% 1/10W 1608 R
AR807	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM	R1056	0RJ1002D677	MCR03EJPJ103 10KOHM 5% 1/10W 1608
AR808	EBC32260405	MNR04M0APJ680 68OHM 5% 1/16W 4 SM	R1056	0RJ2001D677	MCR03EJPJ202 2KOHM 5% 1/10W 1608
AR808	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM	R1057	0RJ1002D677	MCR03EJPJ103 10KOHM 5% 1/10W 1608
AR809	EBC32260405	MNR04M0APJ680 68OHM 5% 1/16W 4 SM	R1057	0RJ2001D677	MCR03EJPJ202 2KOHM 5% 1/10W 1608
AR809	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM	R1058	0RJ2702D677	MCR03EJPJ273 27KOHM 5% 1/10W 1608
AR810	EBC32260405	MNR04M0APJ680 68OHM 5% 1/16W 4 SM	R1058	0RJ1003D677	MCR03EJPJ104 100KOHM 5% 1/10W 160
AR810	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM	R1059	0RJ2702D677	MCR03EJPJ273 27KOHM 5% 1/10W 1608
L1205	0RJ0000G676	MCR18EZHJ000_0OHM 5% 1/4W 3216 R	R1059	0RJ4701D677	MCR03EJPJ472 4.7KOHM 5% 1/10W 160
L1215	0RJ0000G676	MCR18EZHJ000_0OHM 5% 1/4W 3216 R	R106	0RD3301Q609	RDM94T1J3K30 3.3KOHM 5% 1/4W 3.2X
R100	0RJ0000D677	MCR03EJPJ000 0OHM 5% 1/10W 1608 R	R106	0RJ0000D677	MCR03EJPJ000 0OHM 5% 1/10W 1608 R
R100	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/	R106	0RJ0000D677	MCR03EJPJ000 0OHM 5% 1/10W 1608 R
R1000	0RJ1202D677	MCR03EJPJ123 12KOHM 5% 1/10W 1608	R106	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/
R1001	0RJ1202D677	MCR03EJPJ123 12KOHM 5% 1/10W 1608	R1060	0RJ3302D677	MCR03EJPJ333 33KOHM 5% 1/10W 1608
R101	0RD9101Q609	RDM94T1J9K10 9.1KOHM 5% 1/4W 3.2X	R1060	0RJ1002D677	MCR03EJPJ103 10KOHM 5% 1/10W 1608
R101	0RJ0752D677	MCR03EJPJ750 75OHM 5% 1/10W 1608	R1061	0RJ3302D677	MCR03EJPJ333 33KOHM 5% 1/10W 1608
R101	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/	R1061	0RJ1002D677	MCR03EJPJ103 10KOHM 5% 1/10W 1608
R1016	0RJ0222D677	MCR03EJPJ220 22OHM 5% 1/10W 1608	R1065	0RJ0000D677	MCR03EJPJ000 0OHM 5% 1/10W 1608 R
R1017	0RJ0222D677	MCR03EJPJ220 22OHM 5% 1/10W 1608	R107	0RD1101Q609	RDM94T1J1K10 1.1KOHM 5% 1/4W 3.2X
R1018	0RJ6800D677	MCR03EJPJ681 680OHM 5% 1/10W 1608	R107	0RJ0752D677	MCR03EJPJ750 75OHM 5% 1/10W 1608
R1018	0RJ0222D677	MCR03EJPJ220 22OHM 5% 1/10W 1608	R108	0RD1100Q609	RDM94T1J110R 110OHM 5% 1/4W 3.2X1
R1019	0RJ0222D677	MCR03EJPJ220 22OHM 5% 1/10W 1608	R108	0RJ0000D677	MCR03EJPJ000 0OHM 5% 1/10W 1608 R
R102	0RD3301Q609	RDM94T1J3K30 3.3KOHM 5% 1/4W 3.2X	R109	0RJ0752D677	MCR03EJPJ750 75OHM 5% 1/10W 1608
R102	0RJ4700D677	MCR03EJPJ471 470OHM 5% 1/10W 1608	R110	0RJ0000D677	MCR03EJPJ000 0OHM 5% 1/10W 1608 R
R102	0RJ0472D677	MCR03EJPJ470 470OHM 5% 1/10W 1608	R110	0RJ1002D677	MCR03EJPJ103 10KOHM 5% 1/10W 1608
R102	0RH1302D622	MCR10EZHJ133 13KOHM 5% 1/8W 2012	R1101	0RJ1002D677	MCR03EJPJ103 10KOHM 5% 1/10W 1608
R1020	0RJ6800D677	MCR03EJPJ681 680OHM 5% 1/10W 1608	R1102	0RJ0102D677	MCR03EJPJ100 100OHM 5% 1/10W 1608
R1020	0RJ0222D677	MCR03EJPJ220 22OHM 5% 1/10W 1608	R1102	0RJ1001D677	MCR03EJPJ102 1KOHM 5% 1/10W 1608
R1021	0RJ0222D677	MCR03EJPJ220 22OHM 5% 1/10W 1608	R1103	0RJ1002D677	MCR03EJPJ103 10KOHM 5% 1/10W 1608
R1022	0RJ0222D677	MCR03EJPJ220 22OHM 5% 1/10W 1608	R1104	0RJ0000D677	MCR03EJPJ000 0OHM 5% 1/10W 1608 R
R1023	0RJ0222D677	MCR03EJPJ220 22OHM 5% 1/10W 1608	R1104	0RJ2201D677	MCR03EJPJ222 2.2KOHM 5% 1/10W 160
R103	0RD1101Q609	RDM94T1J1K10 1.1KOHM 5% 1/4W 3.2X	R1107	0RJ4701D677	MCR03EJPJ472 4.7KOHM 5% 1/10W 160
R103	0RJ2203D677	MCR03EJPJ224 220KOHM 5% 1/10W 160	R1108	0RJ4701D677	MCR03EJPJ472 4.7KOHM 5% 1/10W 160
R103	0RJ0472D677	MCR03EJPJ470 470OHM 5% 1/10W 1608	R111	0RJ1002D677	MCR03EJPJ103 10KOHM 5% 1/10W 1608
R103	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/	R1113	0RJ0752D677	MCR03EJPJ750 75OHM 5% 1/10W 1608
R1038	0RJ0000D677	MCR03EJPJ000 0OHM 5% 1/10W 1608 R	R1114	0RJ2203D677	MCR03EJPJ224 220KOHM 5% 1/10W 160
R1039	0RJ0000D677	MCR03EJPJ000 0OHM 5% 1/10W 1608 R	R1115	0RJ0752D677	MCR03EJPJ750 75OHM 5% 1/10W 1608
R104	0RD1100Q609	RDM94T1J110R 110OHM 5% 1/4W 3.2X1	R1116	0RJ2203D677	MCR03EJPJ224 220KOHM 5% 1/10W 160
R104	0RJ4700D677	MCR03EJPJ471 470OHM 5% 1/10W 1608	R1117	0RJ0752D677	MCR03EJPJ750 75OHM 5% 1/10W 1608
R104	0RH2002D622	MCR10EZHJ203 20KOHM 5% 1/8W 2012	R1118	0RJ1001D677	MCR03EJPJ102 1KOHM 5% 1/10W 1608

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R1119	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608	R1209	0RJ3002D677	MCR03EZPJ303 30KOHM 5% 1/10W 1608
R112	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608	R121	0RJ1202D677	MCR03EZPJ123 12KOHM 5% 1/10W 1608
R1120	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160	R1210	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W 160
R1121	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608	R1211	0RJ4703D677	MCR03EZPJ474 470KOHM 5% 1/10W 160
R1122	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160	R1212	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W 160
R1123	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R1212	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W 160
R1124	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R1213	0RJ4703D677	MCR03EZPJ474 470KOHM 5% 1/10W 160
R1124	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608	R1214	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608
R1125	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R1215	0RJ1001D477	MCR03EZPF102 1KOHM 1% 1/10W 1608
R1125	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608	R1216	0RJ1001D477	MCR03EZPF102 1KOHM 1% 1/10W 1608
R1126	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608	R1216	0RJ1001D477	MCR03EZPF102 1KOHM 1% 1/10W 1608
R1127	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R1219	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608
R1128	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R122	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608
R1128	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608	R1220	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W 160
R1129	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R1221	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608
R113	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608	R1222	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608
R1130	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R1223	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W 160
R1131	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R1224	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R1133	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R1225	0RJ1001D477	MCR03EZPF102 1KOHM 1% 1/10W 1608
R1134	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R1226	0RJ1001D477	MCR03EZPF102 1KOHM 1% 1/10W 1608
R1135	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608	R1227	0RJ2201D477	MCR03EZPF222 2.2KOHM 1% 1/10W 160
R1136	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608	R1228	0RJ2201D477	MCR03EZPF222 2.2KOHM 1% 1/10W 160
R1137	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608	R1229	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608
R1139	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608	R123	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R114	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608	R1230	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608
R1140	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R1231	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R1141	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R1235	0RJ4703D677	MCR03EZPJ474 470KOHM 5% 1/10W 160
R1148	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608	R1236	0RJ4703D677	MCR03EZPJ474 470KOHM 5% 1/10W 160
R1150	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608	R1237	0RJ1001D477	MCR03EZPF102 1KOHM 1% 1/10W 1608
R1151	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608	R1238	0RJ1001D477	MCR03EZPF102 1KOHM 1% 1/10W 1608
R1152	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608	R1239	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R1157	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608	R124	0RJ1200C678	MCR01MZPJ121 120OHM 5% 1/16W 1005
R1158	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608	R1240	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608
R1161	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608	R1241	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608
R1162	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160	R1242	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608
R1164	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608	R1243	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608
R1165	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608	R1244	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608
R1166	0RJ3301D677	MCR03EZPJ332 3.3KOHM 5% 1/10W 160	R1245	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608
R1167	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R125	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608
R1168	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R1259	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R1169	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608	R126	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608
R1170	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608	R1260	0RJ2001D677	MCR03EZPJ202 2KOHM 5% 1/10W 1608
R1171	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R1261	0RJ2001D677	MCR03EZPJ202 2KOHM 5% 1/10W 1608
R1185	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/	R1262	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R1186	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/	R1263	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R119	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R1264	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R120	0RJ1802D677	MCR03EZPJ183 18KOHM 5% 1/10W 1608	R1270	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R1200	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608	R1271	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R1201	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R1273	0RJ3301D677	MCR03EZPJ332 3.3KOHM 5% 1/10W 160
R1202	0RJ0682D677	MCR03EZPJ680 68OHM 5% 1/10W 1608	R1274	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608
R1203	0RJ4703D677	MCR03EZPJ474 470KOHM 5% 1/10W 160	R1275	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R1204	0RJ4702D677	MCR03EZPJ473 47KOHM 5% 1/10W 1608	R1276	0RJ3002D677	MCR03EZPJ303 30KOHM 5% 1/10W 1608
R1205	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W 160	R1277	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W 160
R1207	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W 160	R1278	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W 160
R1207	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W 160	R1279	0RJ4702D677	MCR03EZPJ473 47KOHM 5% 1/10W 1608

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R128	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608	R1348	0RJ0392D677	MCR03EZPJ390 39OHM 5% 1/10W 1608
R1280	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608	R1349	0RJ0392D677	MCR03EZPJ390 39OHM 5% 1/10W 1608
R1281	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608	R1350	0RJ0392D677	MCR03EZPJ390 39OHM 5% 1/10W 1608
R1282	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W 160	R1351	0RJ0122D677	MCR03EZPJ120 12OHM 5% 1/10W 1608
R1283	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W 160	R1352	0RJ0122D677	MCR03EZPJ120 12OHM 5% 1/10W 1608
R1284	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/	R1353	0RJ0122D677	MCR03EZPJ120 12OHM 5% 1/10W 1608
R1285	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/	R1354	0RJ0122D677	MCR03EZPJ120 12OHM 5% 1/10W 1608
R1286	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/	R1355	0RJ0122D677	MCR03EZPJ120 12OHM 5% 1/10W 1608
R1287	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/	R1356	0RJ0122D677	MCR03EZPJ120 12OHM 5% 1/10W 1608
R1288	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/	R1357	0RJ0122D677	MCR03EZPJ120 12OHM 5% 1/10W 1608
R1289	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/	R1358	0RJ0122D677	MCR03EZPJ120 12OHM 5% 1/10W 1608
R129	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608	R1359	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R1290	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/	R136	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R1291	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/	R1360	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R1292	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/	R1361	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R1293	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/	R1362	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R1300	0RJ6202D677	MCR03EZPJ623 62KOHM 5% 1/10W 1608	R1363	0RD3301A609	RDM92T1J3K30 3.3KOHM 5% 1/2W 6.5X
R1301	0RJ2402D677	MCR03EZPJ243 24KOHM 5% 1/10W 1608	R1364	0RJ7500D677	MCR03EZPJ751 750OHM 5% 1/10W 1608
R1302	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 1608	R1365	0RJ7500D677	MCR03EZPJ751 750OHM 5% 1/10W 1608
R1303	0RJ1501D677	MCR03EZPJ152 1.5KOHM 5% 1/10W 160	R1366	0RJ7500D677	MCR03EZPJ751 750OHM 5% 1/10W 1608
R1304	0RJ0432D677	MCR03EZPJ430 43OHM 5% 1/10W 1608	R1367	0RJ0000G676	MCR18EZHJ000_00OHM 5% 1/4W 3216 R
R1305	0RJ0432D677	MCR03EZPJ430 43OHM 5% 1/10W 1608	R137	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608
R1307	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608	R138	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R1308	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608	R139	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608
R1309	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608	R140	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608
R131	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608	R1400	0RJ1501D677	MCR03EZPJ152 1.5KOHM 5% 1/10W 160
R1310	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R1401	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160
R1311	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608	R1402	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608
R1312	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608	R1403	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608
R1313	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608	R1404	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R1314	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608	R1405	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R1315	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608	R1406	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R1316	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608	R1407	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R1317	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160	R1408	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R1318	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160	R1409	0RJ1500D677	MCR03EZPJ151 150OHM 5% 1/10W 1608
R1319	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R1410	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R1320	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R1411	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 1608
R1321	0RJ2001D677	MCR03EZPJ202 2KOHM 5% 1/10W 1608	R1412	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 1608
R1322	0RJ2001D677	MCR03EZPJ202 2KOHM 5% 1/10W 1608	R1413	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R1323	0RJ4703D677	MCR03EZPJ474 470KOHM 5% 1/10W 160	R1414	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608
R1324	0RJ4703D677	MCR03EZPJ474 470KOHM 5% 1/10W 160	R1415	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 1608
R1327	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R1416	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 1608
R1328	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 1608	R1417	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608
R1329	0RJ0101D677	MCR03EZPJ1R0 1OHM 5% 1/10W 1608 R	R1418	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608
R133	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608	R1419	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608
R1330	0RJ0101D677	MCR03EZPJ1R0 1OHM 5% 1/10W 1608 R	R142	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608
R1331	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608	R1420	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608
R1332	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 1608	R1421	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608
R1333	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 1608	R1422	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608
R1334	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 1608	R1423	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608
R1338	0RJ3901D677	MCR03EZPJ392 3.9KOHM 5% 1/10W 160	R1429	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R134	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608	R143	0RJ2701D677	MCR03EZPJ272 2.7KOHM 5% 1/10W 160
R1345	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160	R1430	0RJ1201C678	MCR01MZPJ122 1.2KOHM 5% 1/16W 100
R1346	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160	R1431	0RJ1201C678	MCR01MZPJ122 1.2KOHM 5% 1/16W 100
R1347	0RJ0392D677	MCR03EZPJ390 39OHM 5% 1/10W 1608	R1433	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R1436	0RJ1201C678	MCR01MZPJ122 1.2KOHM 5% 1/16W 100	R1708	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R1438	0RJ1201C678	MCR01MZPJ122 1.2KOHM 5% 1/16W 100	R1709	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R1439	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R1710	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R144	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608	R1713	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160
R145	0RJ2701D677	MCR03EZPJ272 2.7KOHM 5% 1/10W 160	R1714	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1452	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608	R1715	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608
R1453	0RJ4703D677	MCR03EZPJ474 470KOHM 5% 1/10W 160	R1716	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1454	0RJ4703D677	MCR03EZPJ474 470KOHM 5% 1/10W 160	R1717	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R1455	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160	R1718	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1456	0RJ1501D677	MCR03EZPJ152 1.5KOHM 5% 1/10W 160	R1719	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R146	0RJ2701D677	MCR03EZPJ272 2.7KOHM 5% 1/10W 160	R1720	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1460	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R1721	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160
R1461	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R1722	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R1462	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R1724	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R1463	0RJ1003D677	MCR03EZPJ104 100KOHM 5% 1/10W 160	R1724	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R1465	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R1726	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608
R1466	0RJ1201C678	MCR01MZPJ122 1.2KOHM 5% 1/16W 100	R1727	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R1467	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608	R1728	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R1468	0RJ1201C678	MCR01MZPJ122 1.2KOHM 5% 1/16W 100	R1729	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R1469	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/	R173	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608
R147	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608	R1730	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R1470	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R1731	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R1471	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R1732	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R1472	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R1733	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R1473	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R1734	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R1474	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R1735	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R1475	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R1736	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R1476	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R1737	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R1477	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/	R1738	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R1478	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/	R1739	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R148	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608	R1740	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R149	0RJ2701D677	MCR03EZPJ272 2.7KOHM 5% 1/10W 160	R1741	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R150	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608	R1742	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R151	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005	R1743	0RJ1000D477	MCR03EZPJ101 100OHM 1% 1/10W 1608
R152	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608	R1744	0RJ1500D477	MCR03EZPJ151 150OHM 1% 1/10W 1608
R153	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005	R1745	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
R154	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608	R1745	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R155	0RJ3303D677	MCR03EZPJ334 330KOHM 5% 1/10W 160	R1747	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608
R157	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608	R1748	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608
R1607	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R1749	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608
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R1609	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R1750	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
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R163	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608	R1752	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160
R164	0RJ1202D677	MCR03EZPJ123 12KOHM 5% 1/10W 1608	R1753	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160
R165	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608	R1758	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608
R166	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608	R1759	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R167	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608	R1760	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
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R1703	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R1764	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1704	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R1765	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
R1706	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608	R1766	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
R1706	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005	R1767	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005

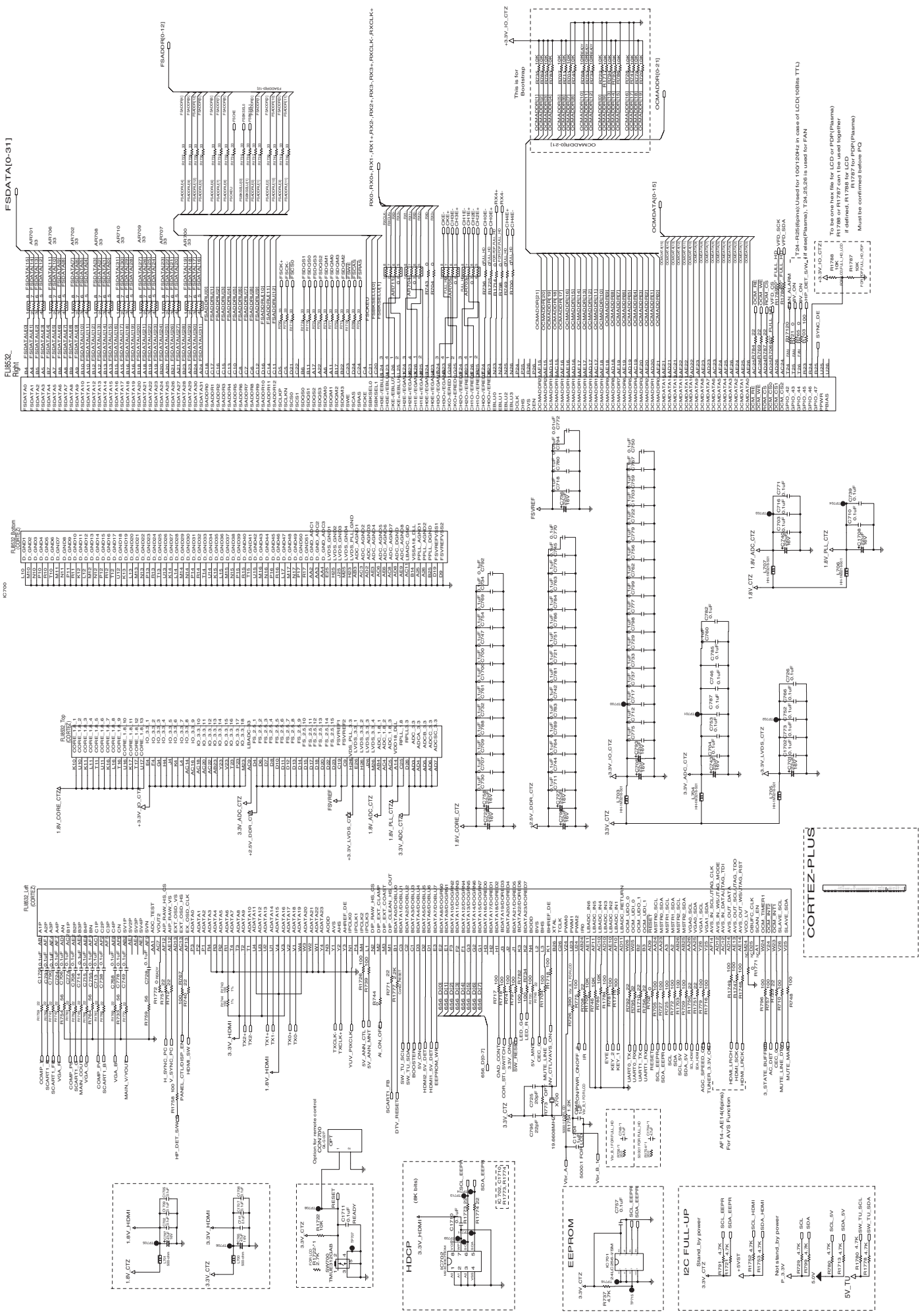
LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R329	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608	R626	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R403	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608	R627	0RJ1003D677	MCR03EZPJ104 100KOHM 5% 1/10W 160
R407	0RJ1202D677	MCR03EZPJ123 12KOHM 5% 1/10W 1608	R629	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608
R412	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608	R632	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608
R413	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608	R633	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608
R414	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608	R636	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160
R415	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608	R637	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 1608
R416	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R639	0RJ0822D677	MCR03EZPJ820 82OHM 5% 1/10W 1608
R417	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R640	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R421	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608	R642	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R422	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160	R644	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R437	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608	R646	0RJ2700D677	MCR03EZPJ271 270OHM 5% 1/10W 1608
R438	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R647	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 1608
R439	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608	R648	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R441	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608	R649	0RJ1500D677	MCR03EZPJ151 150OHM 5% 1/10W 1608
R446	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608	R650	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608
R448	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608	R651	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R521	EBC32306001	MCR03EZP5FX9100 910OHM 1% 1/10W 1	R652	0RJ2001D677	MCR03EZPJ202 2KOHM 5% 1/10W 1608
R522	0RJ9311D477	MCR03EZPF9311 9.31KOHM 1% 1/10W 1	R653	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R523	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608	R654	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R524	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R655	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R526	0RJ2001D677	MCR03EZPJ202 2KOHM 5% 1/10W 1608	R657	0RJ0102D677	MCR03EZPJ100 10OHM 5% 1/10W 1608
R527	0RJ2001D677	MCR03EZPJ202 2KOHM 5% 1/10W 1608	R658	0RJ2201D677	MCR03EZPJ222 2.2KOHM 5% 1/10W 160
R528	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R659	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R531	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R662	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/
R534	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608	R663	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/
R536	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608	R664	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/
R537	0RJ1502D677	MCR03EZPJ153 15KOHM 5% 1/10W 1608	R665	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/
R539	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608	R666	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/
R540	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608	R667	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/
R541	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608	R668	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/
R543	0RJ1502D677	MCR03EZPJ153 15KOHM 5% 1/10W 1608	R669	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/
R544	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608	R670	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/
R547	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608	R671	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/
R548	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608	R672	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R550	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R673	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/
R554	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608	R674	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/
R555	0RJ2202D677	MCR03EZPJ223 22KOHM 5% 1/10W 1608	R675	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/
R556	0RJ4302D677	MCR03EZPJ433 43KOHM 5% 1/10W 1608	R676	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/
R557	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608	R677	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/
R558	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608	R678	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/
R600	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608	R679	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/
R603	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608	R680	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/
R604	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608	R681	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/
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R607	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608	R685	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/
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R609	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608	R687	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/
R610	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608	R688	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/
R611	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608	R701	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R612	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608	R702	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R613	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R703	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R624	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608	R704	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R625	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608	R705	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
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R708	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005	R785	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R709	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R786	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R710	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R787	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
R711	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005	R788	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R712	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608	R790	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R713	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608	R791	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160
R713	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005	R792	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R717	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R793	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R718	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608	R794	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
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R724	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608	R798	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R725	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R799	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160
R726	0RJ1201C678	MCR01MZPJ122 1.2KOHM 5% 1/16W 100	R800	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R727	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R801	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R728	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608	R805	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
R729	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160	R807	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R733	0RJ0562D677	MCR03EZPJ560 56OHM 5% 1/10W 1608	R808	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R734	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R811	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
R735	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608	R812	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R737	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160	R813	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R739	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R816	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R740	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608	R821	0RJ0682C678	MCR01MZPJ680 68OHM 5% 1/16W 1005
R741	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R822	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R743	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R823	0RJ1500C678	MCR01MZPJ151 150OHM 5% 1/16W 1005
R744	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R825	0RJ2700D677	MCR03EZPJ271 270OHM 5% 1/10W 1608
R745	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608	R826	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R746	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608	R827	0RJ0682C678	MCR01MZPJ680 68OHM 5% 1/16W 1005
R747	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608	R829	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R748	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R843	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R751	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608	R847	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608
R754	0RJ0562D677	MCR03EZPJ560 56OHM 5% 1/10W 1608	R848	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608
R754	0RJ0562D677	MCR03EZPJ560 56OHM 5% 1/10W 1608	R849	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608
R755	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005	R850	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R756	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005	R857	0RJ0682C678	MCR01MZPJ680 68OHM 5% 1/16W 1005
R757	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R859	0RJ0682C678	MCR01MZPJ680 68OHM 5% 1/16W 1005
R759	0RJ0562D677	MCR03EZPJ560 56OHM 5% 1/10W 1608	R860	0RJ0682C678	MCR01MZPJ680 68OHM 5% 1/16W 1005
R762	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005	R877	0RJ0682C678	MCR01MZPJ680 68OHM 5% 1/16W 1005
R764	0RJ0562D677	MCR03EZPJ560 56OHM 5% 1/10W 1608	R880	0RJ0682C678	MCR01MZPJ680 68OHM 5% 1/16W 1005
R767	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608	R881	0RJ0682C678	MCR01MZPJ680 68OHM 5% 1/16W 1005
R769	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608	R882	0RJ0682C678	MCR01MZPJ680 68OHM 5% 1/16W 1005
R770	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608	R883	0RJ0682C678	MCR01MZPJ680 68OHM 5% 1/16W 1005
R771	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005	R884	0RJ0682C678	MCR01MZPJ680 68OHM 5% 1/16W 1005
R772	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R885	0RJ0682C678	MCR01MZPJ680 68OHM 5% 1/16W 1005
R775	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R886	0RJ0682C678	MCR01MZPJ680 68OHM 5% 1/16W 1005
R777	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608	R888	0RJ0682C678	MCR01MZPJ680 68OHM 5% 1/16W 1005
R777	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005	R891	0RJ0682C678	MCR01MZPJ680 68OHM 5% 1/16W 1005
R778	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005	R892	0RJ0682C678	MCR01MZPJ680 68OHM 5% 1/16W 1005
R779	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R893	0RJ0682C678	MCR01MZPJ680 68OHM 5% 1/16W 1005
R780	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160	R894	0RJ0682C678	MCR01MZPJ680 68OHM 5% 1/16W 1005
R781	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608	R900	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R782	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608	R901	0RJ1002D477	MCR03EZPJ103 10KOHM 1% 1/10W 1608
R783	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005	R902	0RJ2002D477	MCR03EZPF203 20KOHM 1% 1/10W 1608

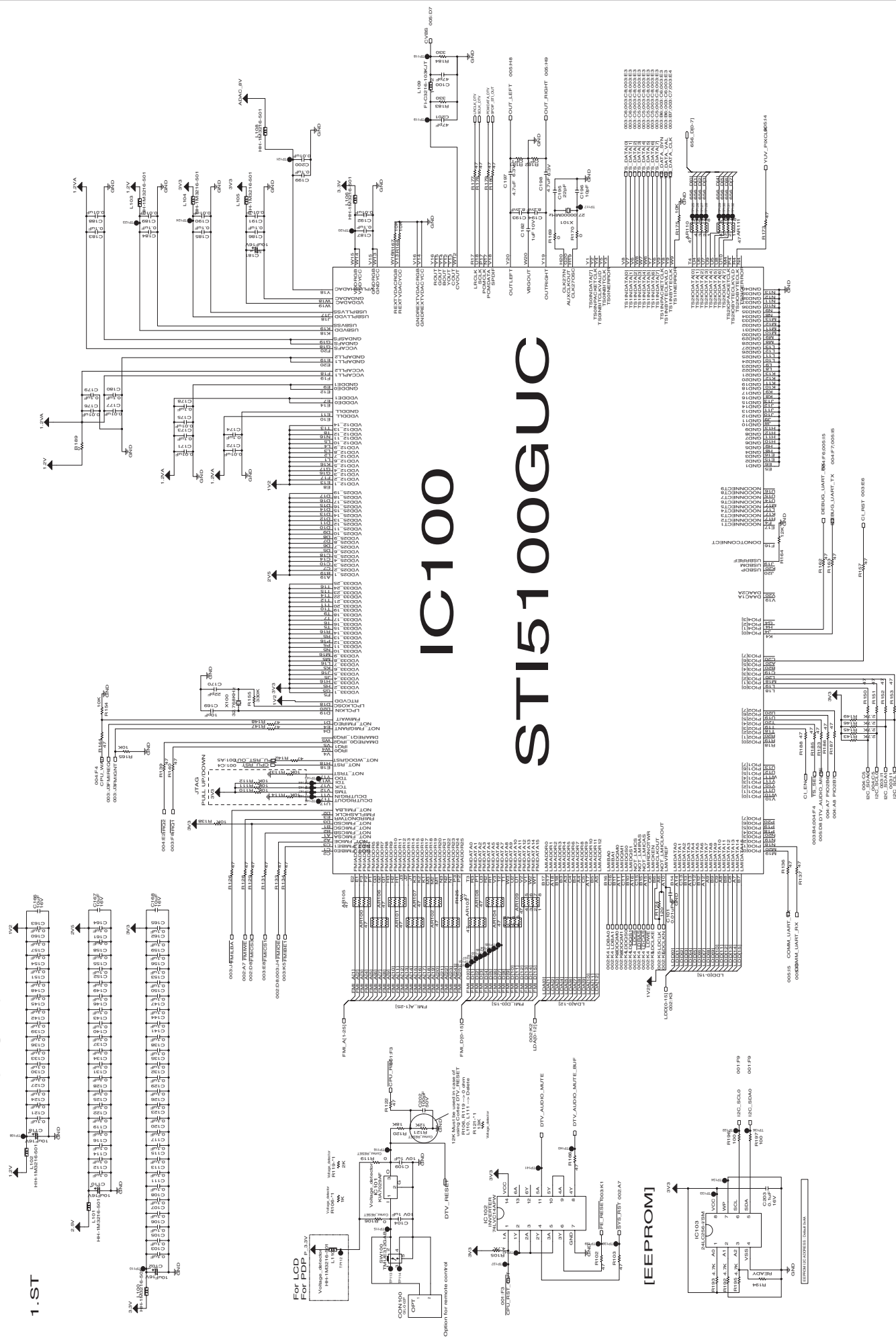
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R906	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608	CN100	6602T20009J	Wafer, SMAW200-10P 10P 2.00MM 1R ANGLE D
R911	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608	CN101	6602T20009E	Wafer, SMAW200-06P 6P 2.00MM 1R ANGLE DI
R911	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608	CN300	6630VE01269	Wafer, 91932-31169LF 68P 1.00MM 1R STRAI
R913	0RJ3302D677	MCR03EZPJ333 33KOHM 5% 1/10W 1608	CW1	6630V90142A	Wafer, TPH254-R-1419-6A 6P 2.54MM 2R ANG
R915	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608	P100	6602T20009E	Wafer, SMAW200-06P 6P 2.00MM 1R ANGLE DI
R915	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608	P101	6602T20009N	Wafer, SMAW200-14P 14P 2.00MM 1R ANGLE D
R916	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608	P1101	6602T20008J	Wafer, SMW200-10P 10P 2.00MM 1R STRAIGHT
R916	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608	P1102	6630VF00704	Wafer, 12505WS-04A00 4P 1.25MM 1R STRAIG
R917	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608	P1300	6602T25008B	Wafer, SMW250-03P 3P 2.50MM 1R STRAIGHT
R917	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608	P1301	6602T25008C	Wafer, SMW250-04P 4P 2.50MM 1R STRAIGHT
R918	0RJ3302D677	MCR03EZPJ333 33KOHM 5% 1/10W 1608	P1400	6602T20008N	Wafer, SMW200-14P 14P 2.00MM 1R STRAIGHT
R919	0RJ3302D677	MCR03EZPJ333 33KOHM 5% 1/10W 1608	P800	6630V90116A	Wafer, FI-X30SSL-HF 30P 1.00MM 1R ANGLE
R920	0RJ3302D677	MCR03EZPJ333 33KOHM 5% 1/10W 1608	P900	6602T25008M	Wafer, SMW250-13P 13P 2.50MM 1R STRAIGHT
R921	0RJ1002D477	MCR03EZPF103 10KOHM 1% 1/10W 1608	P901	6602T25008J	Wafer, SMW250-10P 10P 2.50MM 1R ANGLE DI
R922	0RJ1002D477	MCR03EZPF103 10KOHM 1% 1/10W 1608	JACK		
R923	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608	J1000	6612B00015B	DC1R019WDH SOCKET 21P STRAIGHT SM
R923	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608	J1001	6612B00015B	DC1R019WDH SOCKET 21P STRAIGHT SM
R924	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608	J1101	6612F00099A	PEJ024-01 1P 4P STRAIGHT TR 3.6MM
R924	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608	J1200	6612M00010A	PSC003-01 21P 21P/1C 3.81MM STRAI
R925	0RJ3302D677	MCR03EZPJ333 33KOHM 5% 1/10W 1608	J1201	6612M00010A	PSC003-01 21P 21P/1C 3.81MM STRAI
R926	0RJ3302D677	MCR03EZPJ333 33KOHM 5% 1/10W 1608	J1203	6612J10031B	PPJ209-01 14.0MM 1RX3C ANGLE BK S
R927	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160	J600	6612J10023A	KCN-BT-0-0053 10.5MM/11.5MM 1RX1C
R930	0RJ3302D677	MCR03EZPJ333 33KOHM 5% 1/10W 1608	JK1	6612BBBHN4D	TOTX177 3P TX 2.54MM ANGLE 15MBPS
R930	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608	JK100	6612J10033A	PMJ016-13 13P DIN/RCA 14MM ANGLE
R931	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608	SWITCH		
R932	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608	SW100	EBF32593901	TMUE312GAB 1C1P 12VDC 0.5A VERTIC
R932	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608	SW101	140-313B	KPT-1115AM 1C1P 12VDC 0.05A HORIZ
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R934	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608	SW105	140-313B	KPT-1115AM 1C1P 12VDC 0.05A HORIZ
R935	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	SW106	140-313B	KPT-1115AM 1C1P 12VDC 0.05A HORIZ
R936	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	SW107	140-313B	KPT-1115AM 1C1P 12VDC 0.05A HORIZ
R937	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	SW108	140-313B	KPT-1115AM 1C1P 12VDC 0.05A HORIZ
R938	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	SW700	EBF32593901	TMUE312GAB 1C1P 12VDC 0.5A VERTIC
R939	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	OTHERs		
R940	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	B1	3890TKD002P	Box, LB500J(PCB) BRAND 542*397*445
CONNECTOR			B2	3890TKD002Q	Box, RZ-42LZ30 BRAND PCB MATER CARTON..
C1	6631900012C	Harness,Single SMH250 SMH250 200mM 2.50MM 10P UL	B3	MAY32943803	Box, BOX DW3 1088 150 350 NO PRINTING 42PC5
C2	6631900018K	Harness,Single 3P(2.5MM) SMH250 TERMINAL 600mM 2	B4	MAY34392901	Box, BOX DW3 1104 850 370 2 COLOR 42PC5
C3	6631900027C	Harness,Single SMH250 SMH250 200mM 2.50MM 13P UL	IC100	6712000013A	Receiver Module, TSOP4438SO1 4.5TO5.5V 1.5MA 38KH
C4	6631900050A	Harness,Single SMH200 SMH200 300mM 2.00MM 10P UL	IC201	SAA30310927	S/W,Firmware3.04 6546 EUROPE FLASHROM Firmware Update
C5	6631900099C	Harness,Single SMH250 SMP250 400mM 2.50MM 3P UL1	IC802	SAA30310818	S/W,Firmware3.09 AD4B EUROPE FLASHROM Cortex
C6	6631900100D	Harness,Single SMH250 SMP250 600mM 2.50MM 4P UL1	IC201	SAA30310941	S/W, Firmware 4.13 7A58 F/W Update (After 070402)
C7	6631900108C	Harness,Single SMH200 SMH200 350mM 2.00MM 6P UL1	IC802	SAA30310827	S/W, Firmware 5.01 40B4 Cortex (After 070402)
C8	6631T25024N	Harness,Single 6631T25024N SMH250 35097_35098 26	CN300	EAG34998901	Socket,PCI10074998-118MCALF 68P 1.27MM
C9	6631T39004D	Harness,Single 6631T39004D 1-1123722-9 1-1123722	P300	EAG34998901	Socket,PCI10074998-118MCALF 68P 1.27MM
C10	6631V12031F	Harness,Single 12505HS-0400 12505HS-0400 350mM 1	TU600	EBL32961502	Tuner,DigitalTDFC-G106P DVB-T/PAL 170MHZ
C11	6631V39013N	Harness,Single 1-1123722-8 1-1123722-8 900mM 3.9			
C12	EAD35664301	Harness,Single SMH200(900MM) SMH200-14(YEONHO)			
C13	EAD35682502	Harness,Single LVDS PDP STANDARD FI-X30HL(JAE)			
J1100	6630G70016A	DSUB, A03-7071-094 D-SUB 15P 2.29MM STR			
J1102	6630G70017A	DSUB, A02-0915-101 D-SUB 9P 2.77MM STRA			

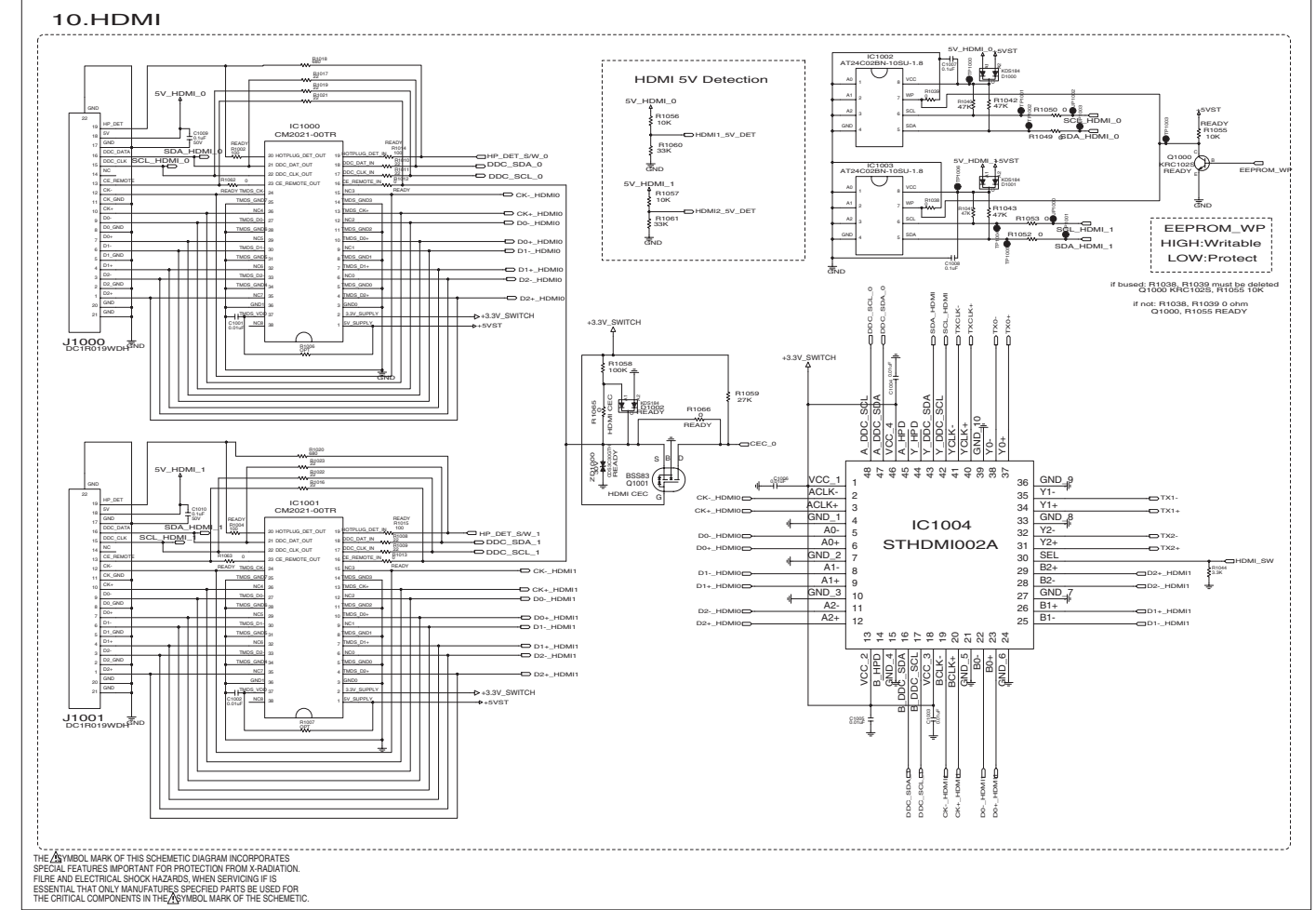
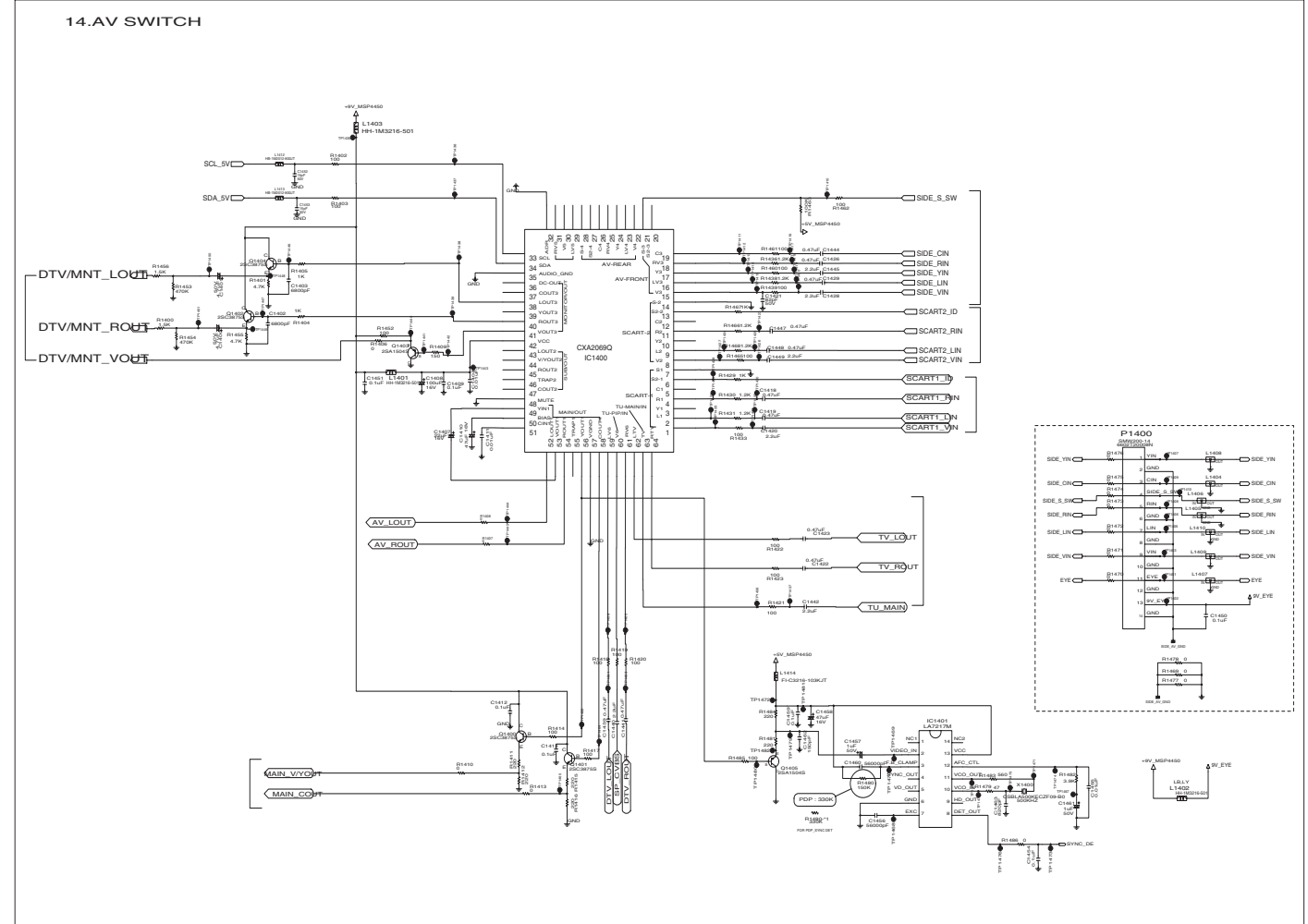
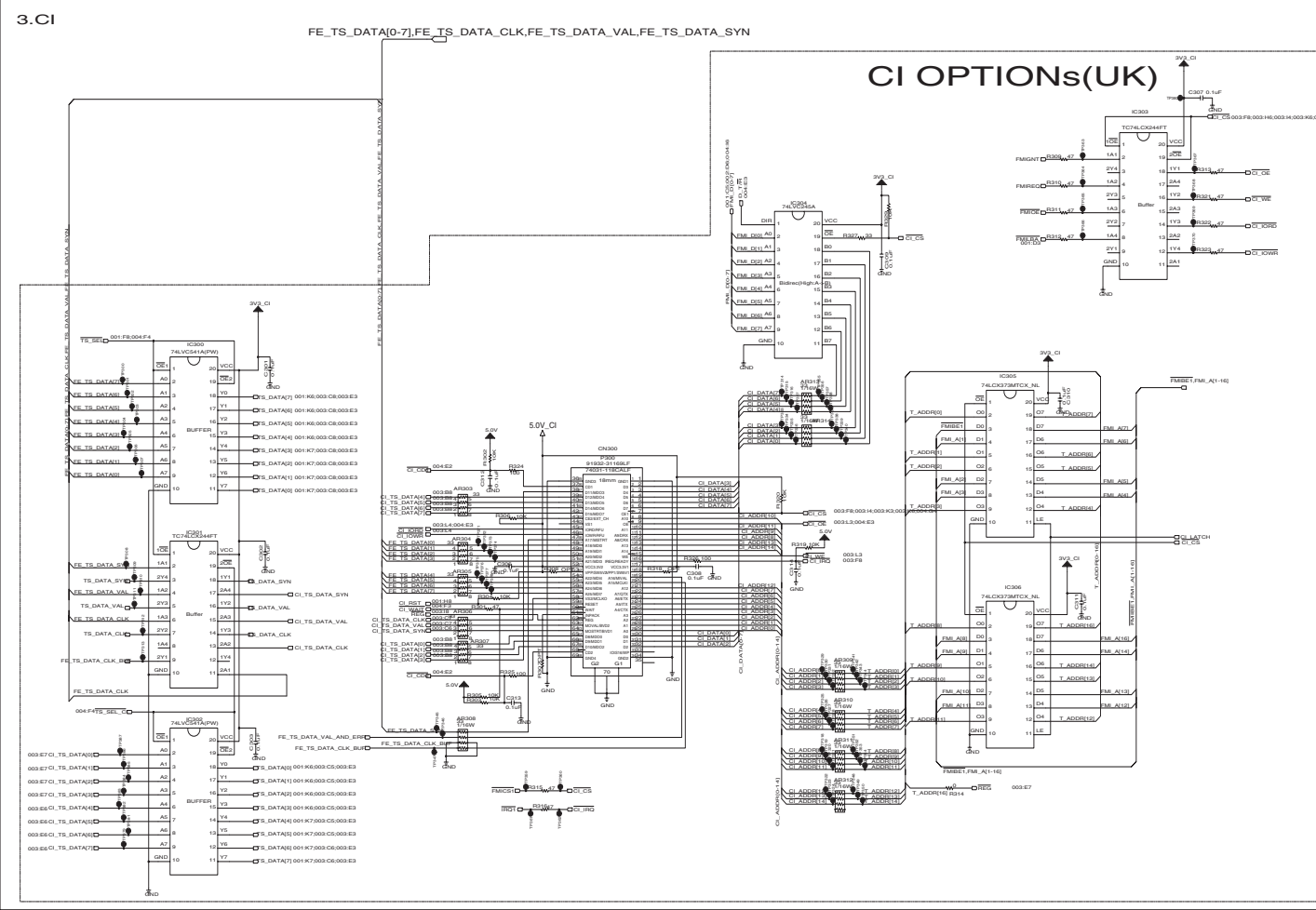
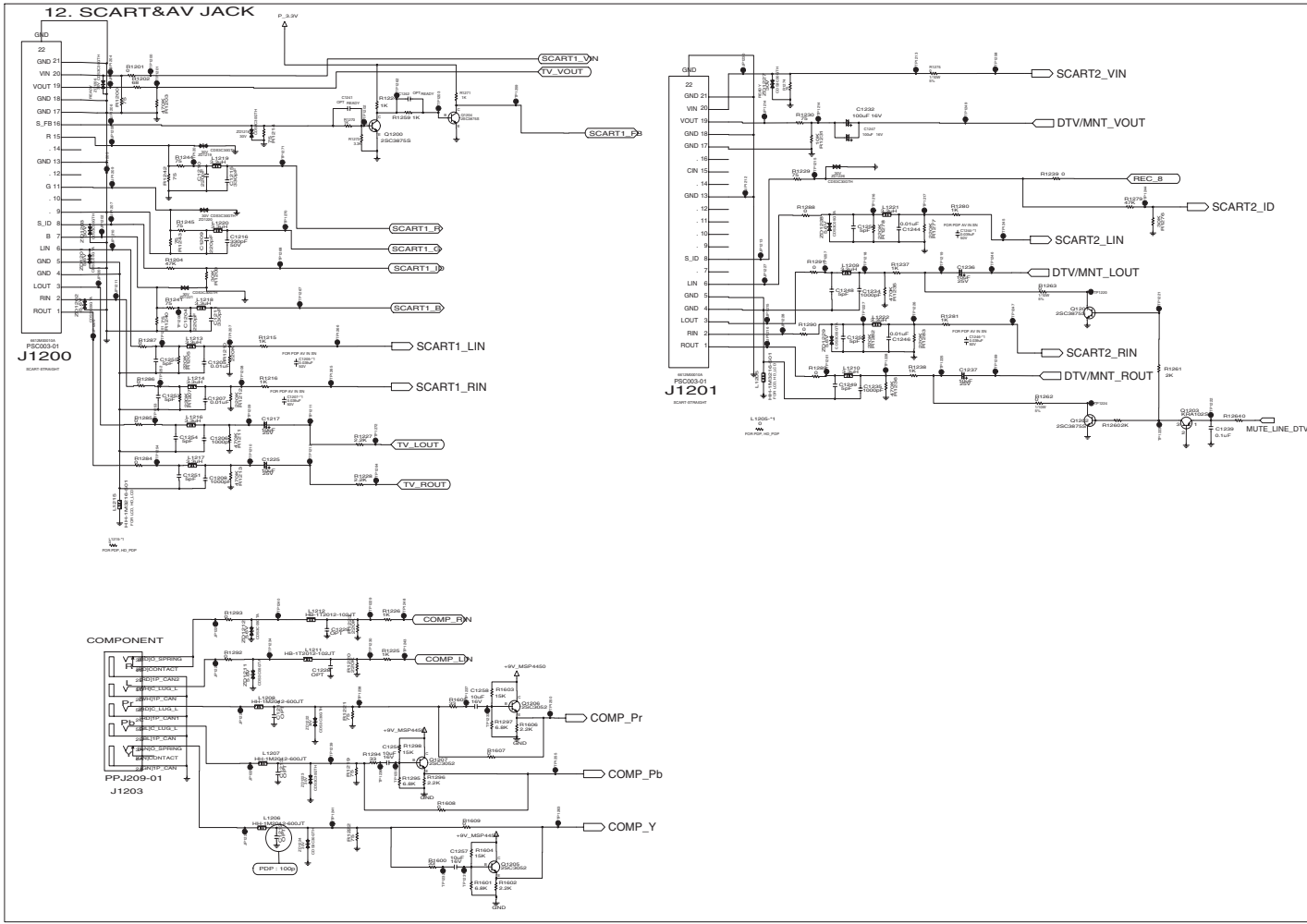
LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
ACCESSORY					
A1	SAC30033609	Title, CD MANUAL PDP DTV Europass 3_New Model Name			
A1	MFL34441603	Manual,Owners EU 27 LANGAGES SIMPLE BOOK			
A2	MKJ32022813	Remote Controller, COMPLEX LD73A 26LC4			
A21	3550V00590A	Cover, MOLD ABS BATTERY TN-50PY20 ABS 6710V00142			
A3	6410TEW010A	Power Cord, CEE,LP-34A&H05VV-FX3C.. 1.87M BLK			
A3	6410TBW004A	Power Cord, LP-61L+GFC18N+<B90A+LS-60 1.87M BLK			
A3	EAD36430001	Power Cord, LP-61L..1.87M BLACK (After 070402)			
A3	EAD36223101	Power Cord, LP34A+.. 1.87M BLACK.. (After 070402)			
A4	4972V00178A	Supporter, COMPLEX METAL ASSY PDP SET			
A5	3880TKZ004D	Bag, COMPLEX VINYL 200*200 0.58 H&C MODEL			
A6	4950TKA320A	Plate, PRESS SBHG T1.2 SUPPORT UPSET, 26INCH			
A7	FAB30021701	Screw,Machine 1SZZVMR001A RING WALL 5MM 25MM			

7. CORTEZ_PLUS



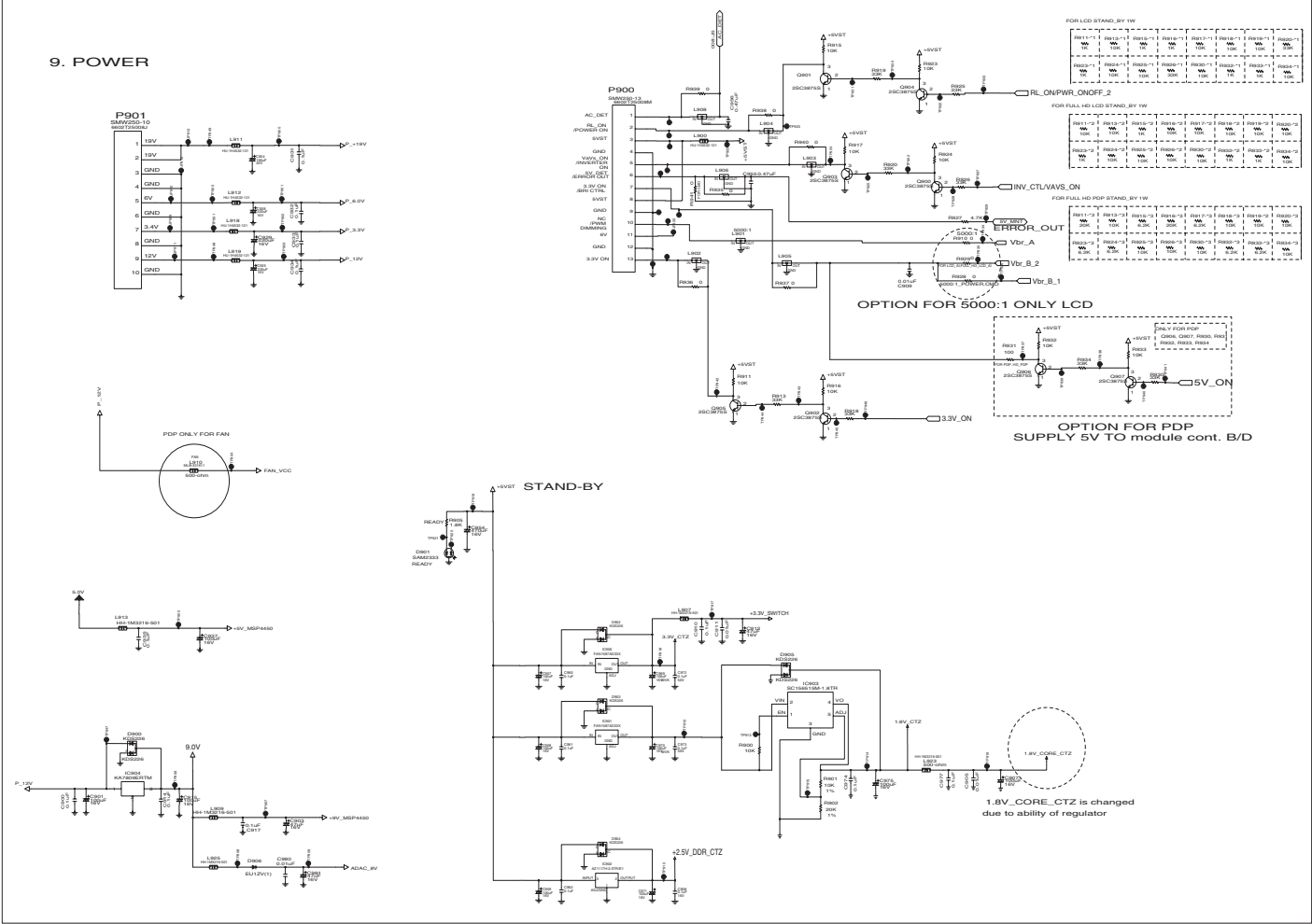
Sli15100 Decoupling Capacitors





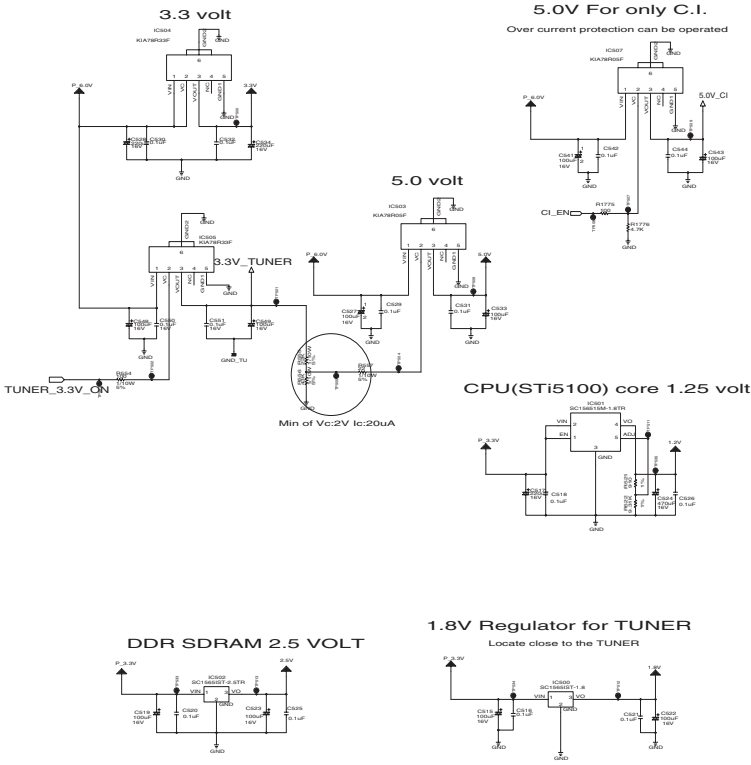
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9. POWER

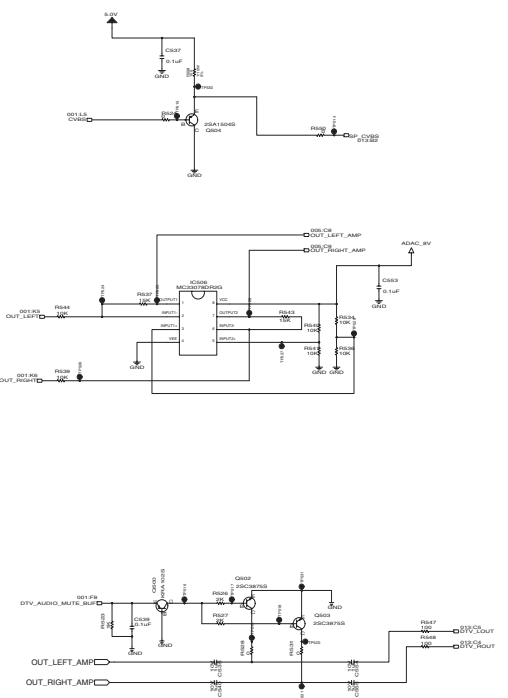


5. power2

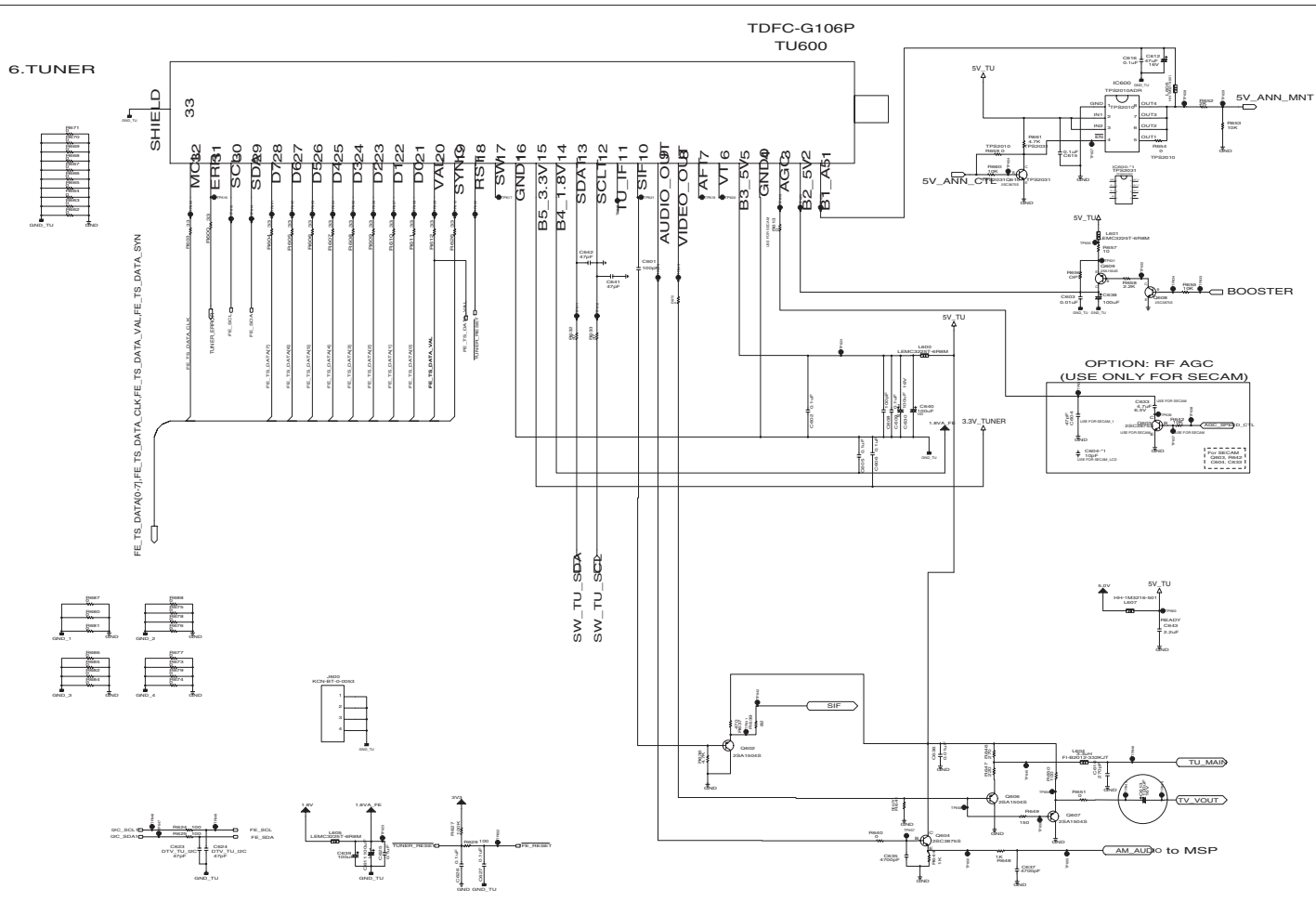
[POWER BLOCK]



% MUST BE PLACED NEAR IC100



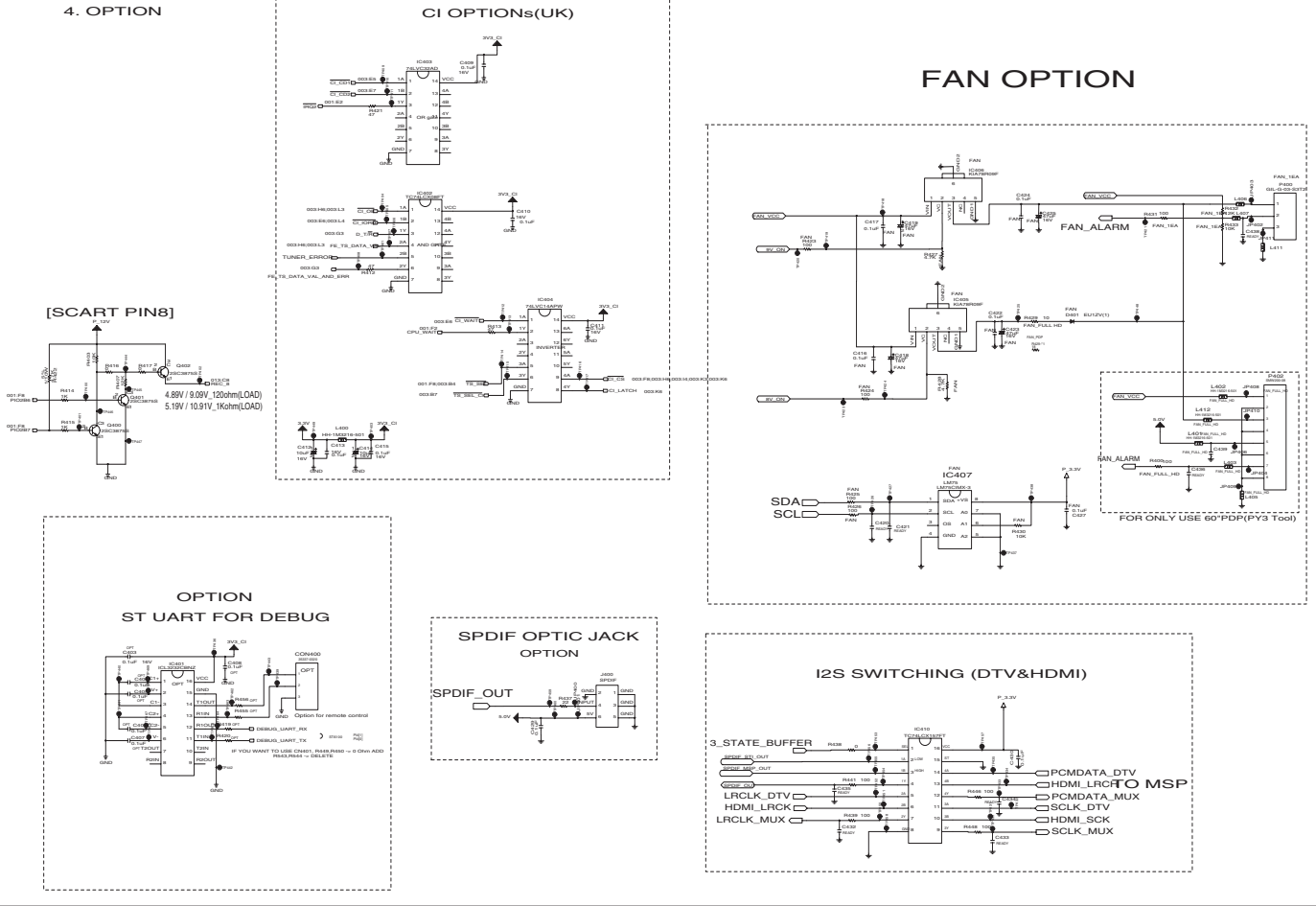
6.TUNER



4. OPTION

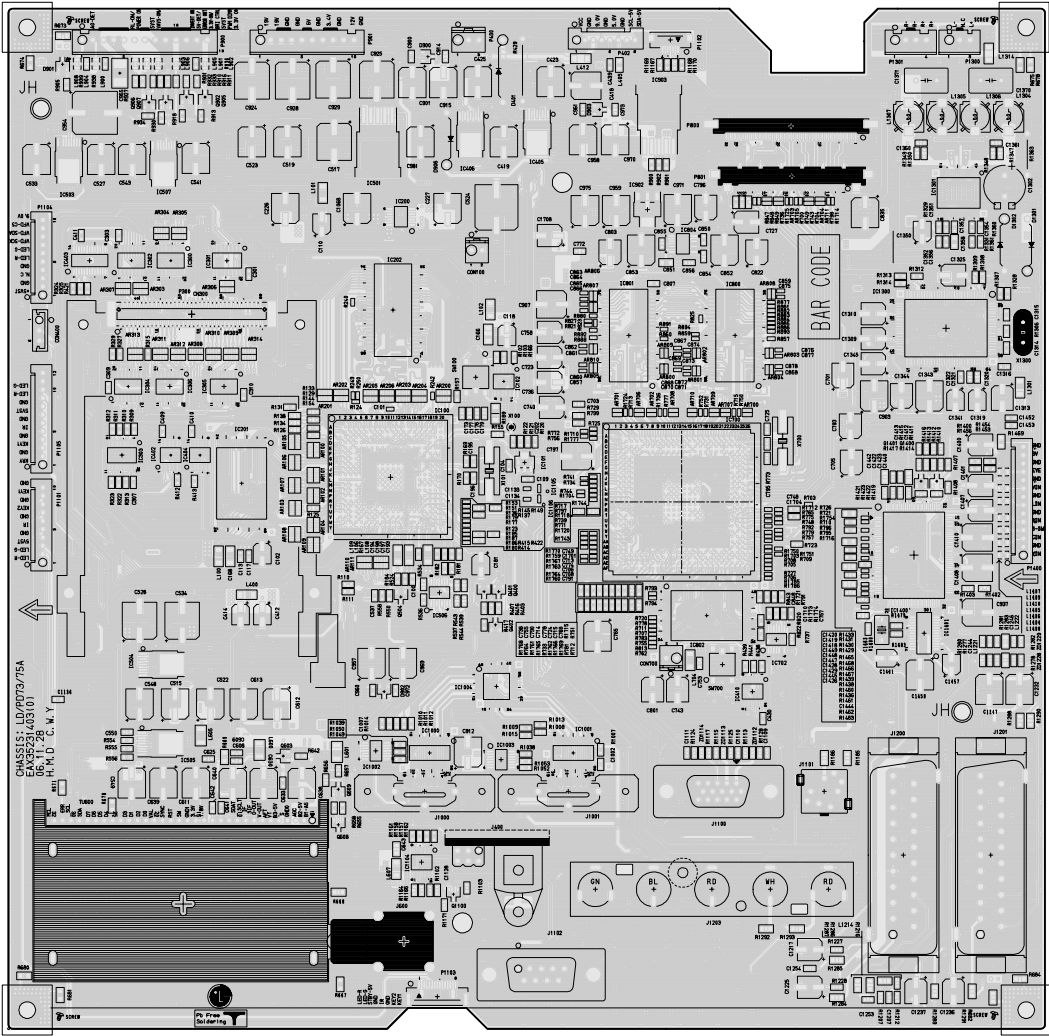
CI OPTIONS(UK)

FAN OPTION

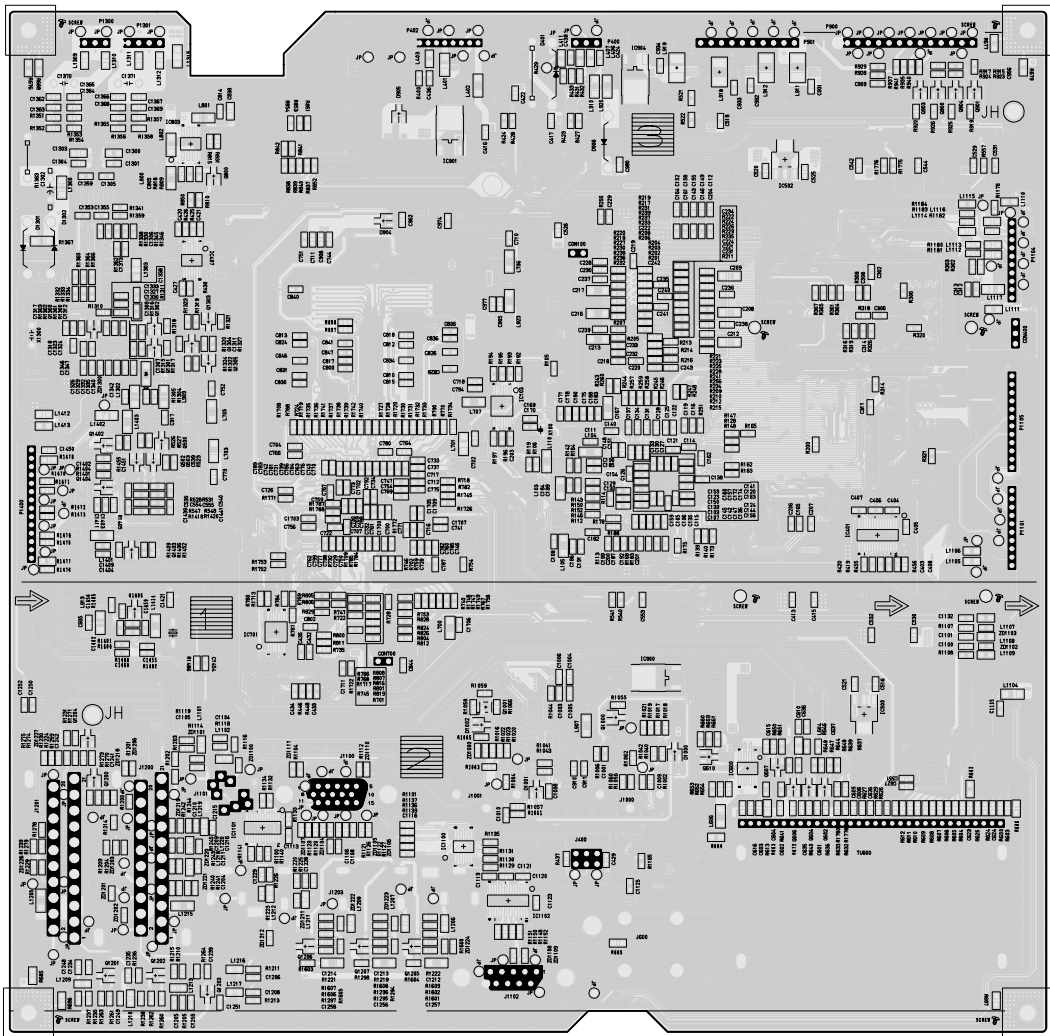


PRINTED CIRCUIT BOARD

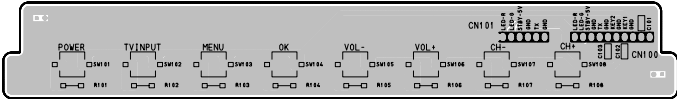
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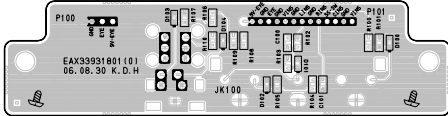
MAIN (BOTTOM)



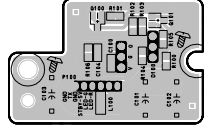
CONTROL B/D



SIDE A/V



IR/LED





P/NO : MFL38562702

May, 2007
Printed in Korea

